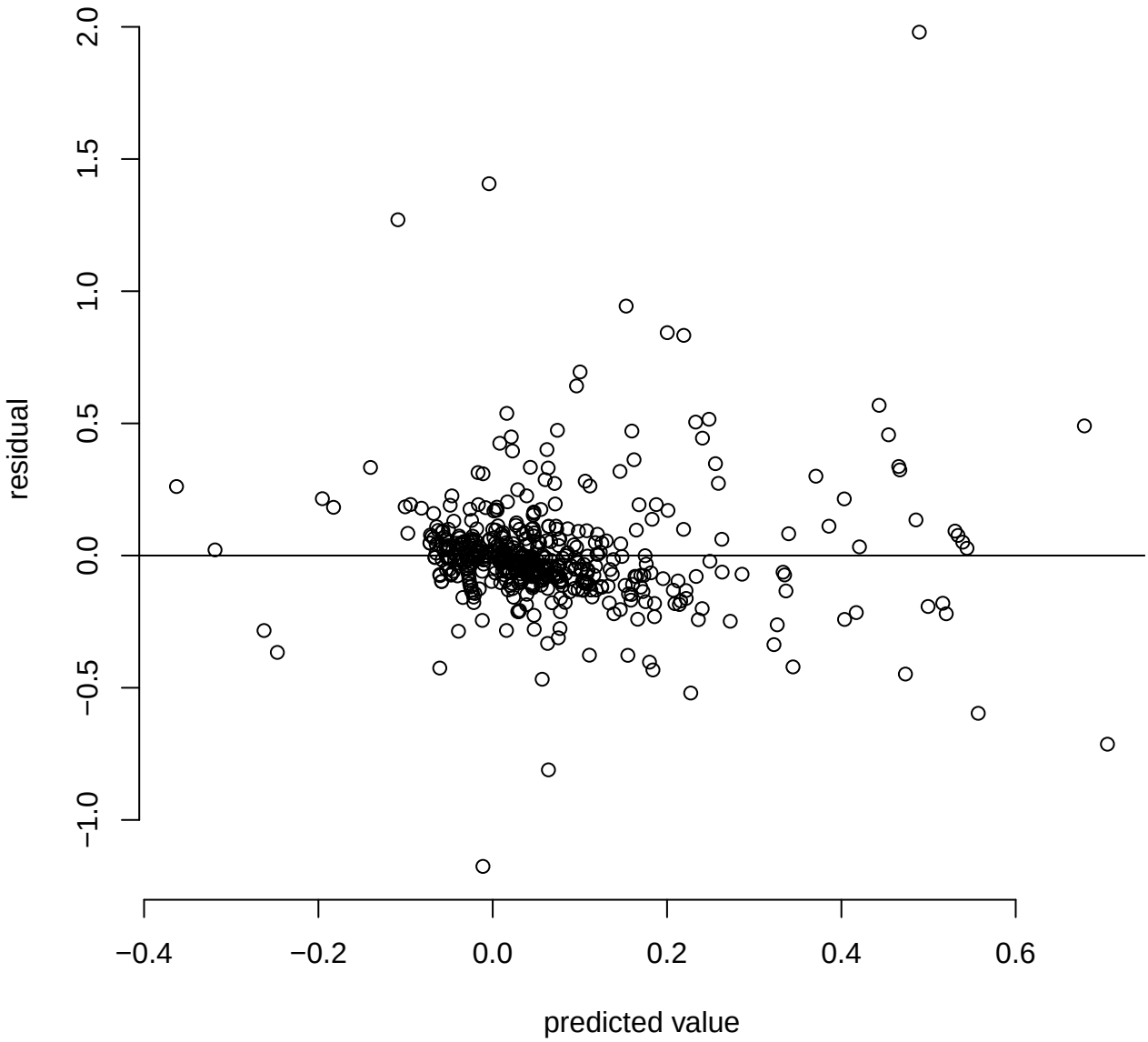
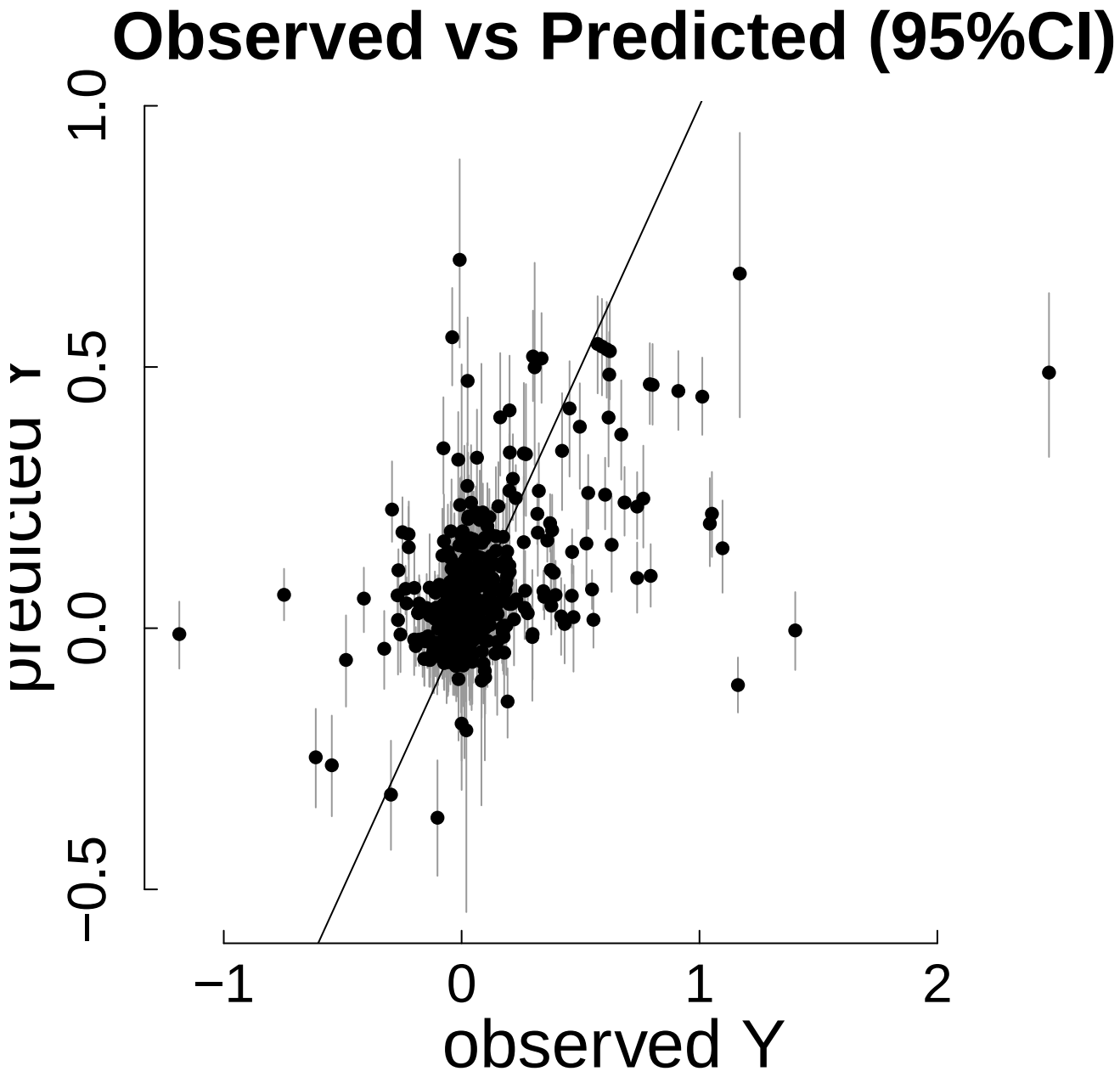
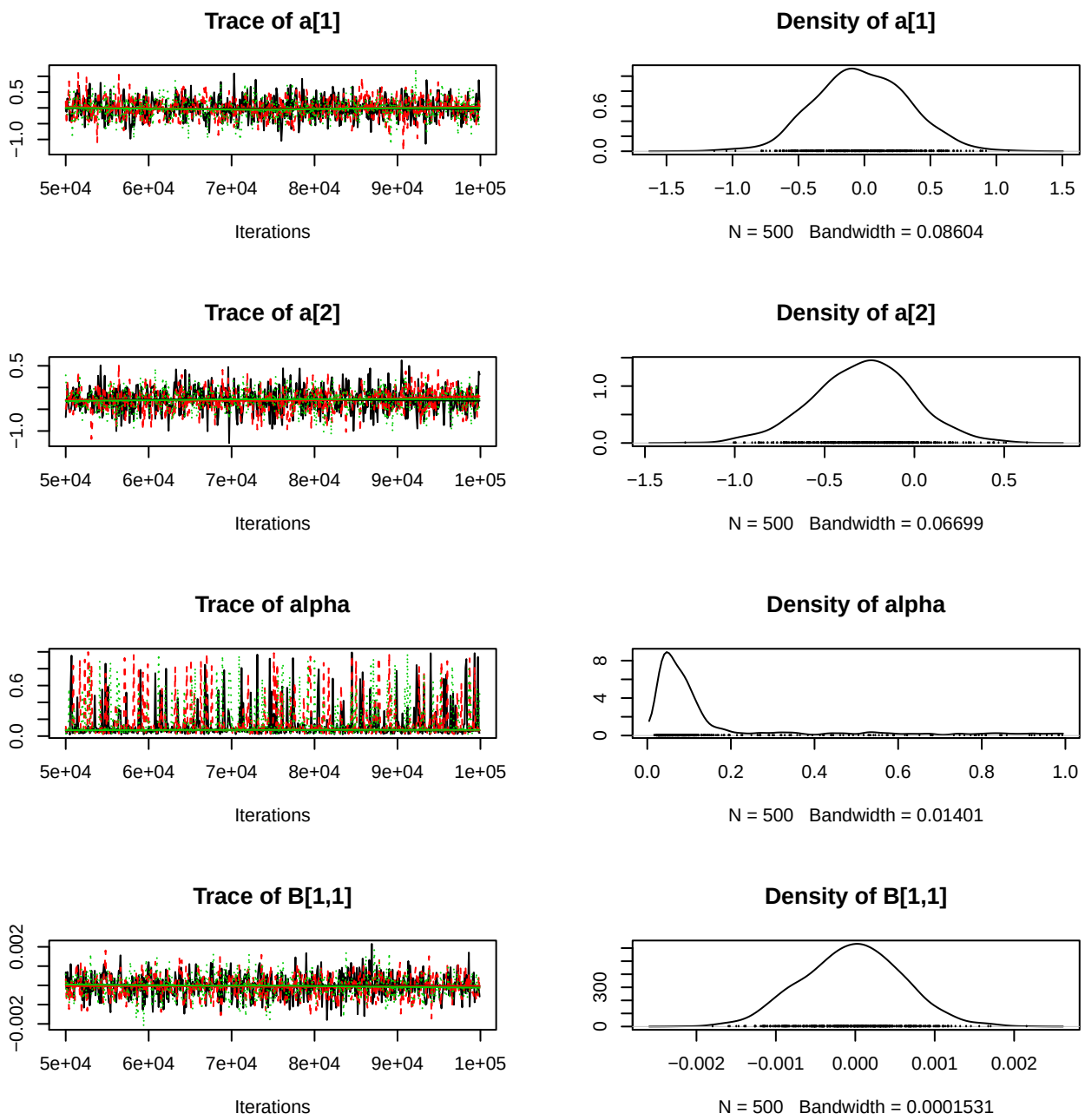
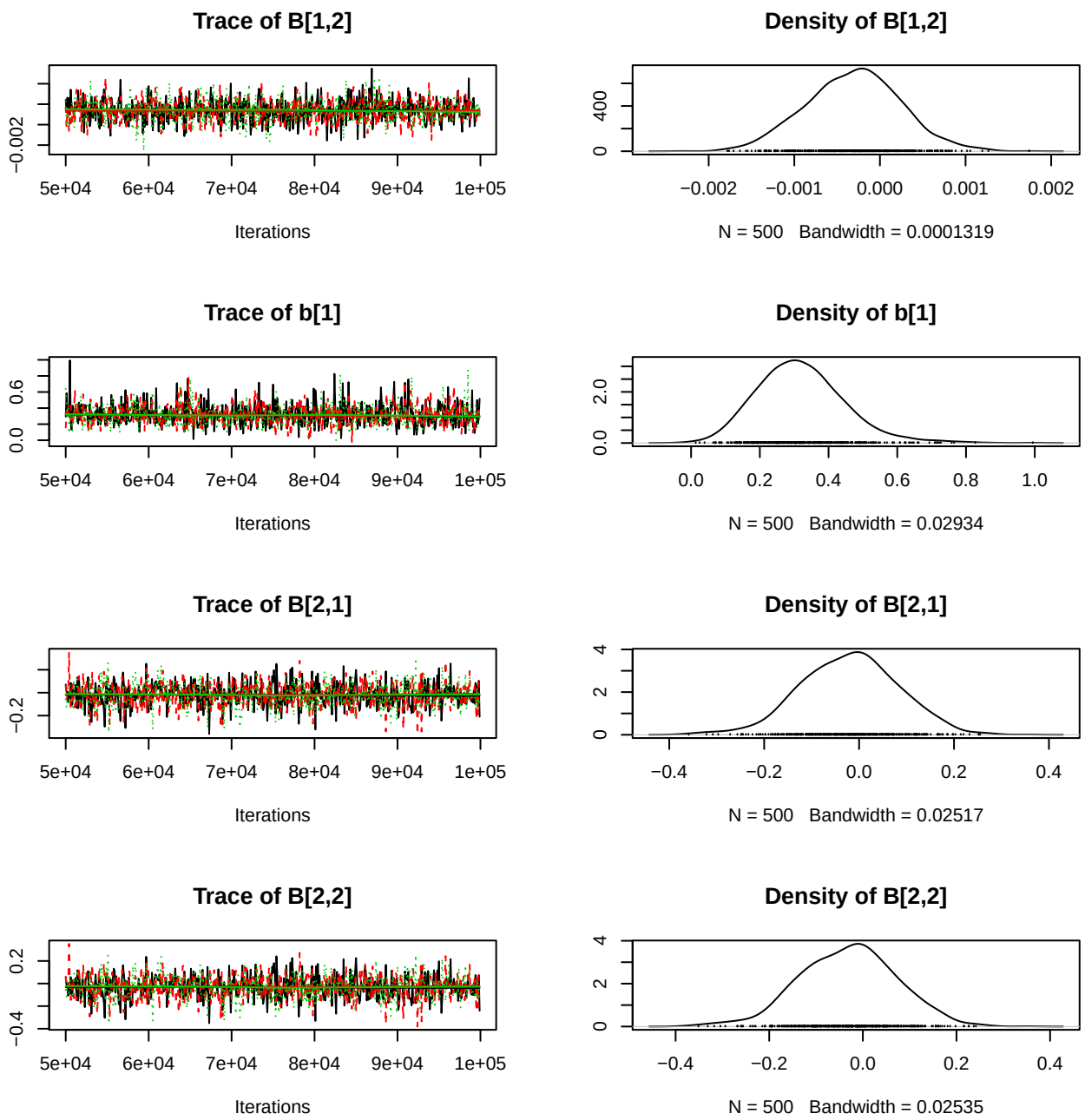
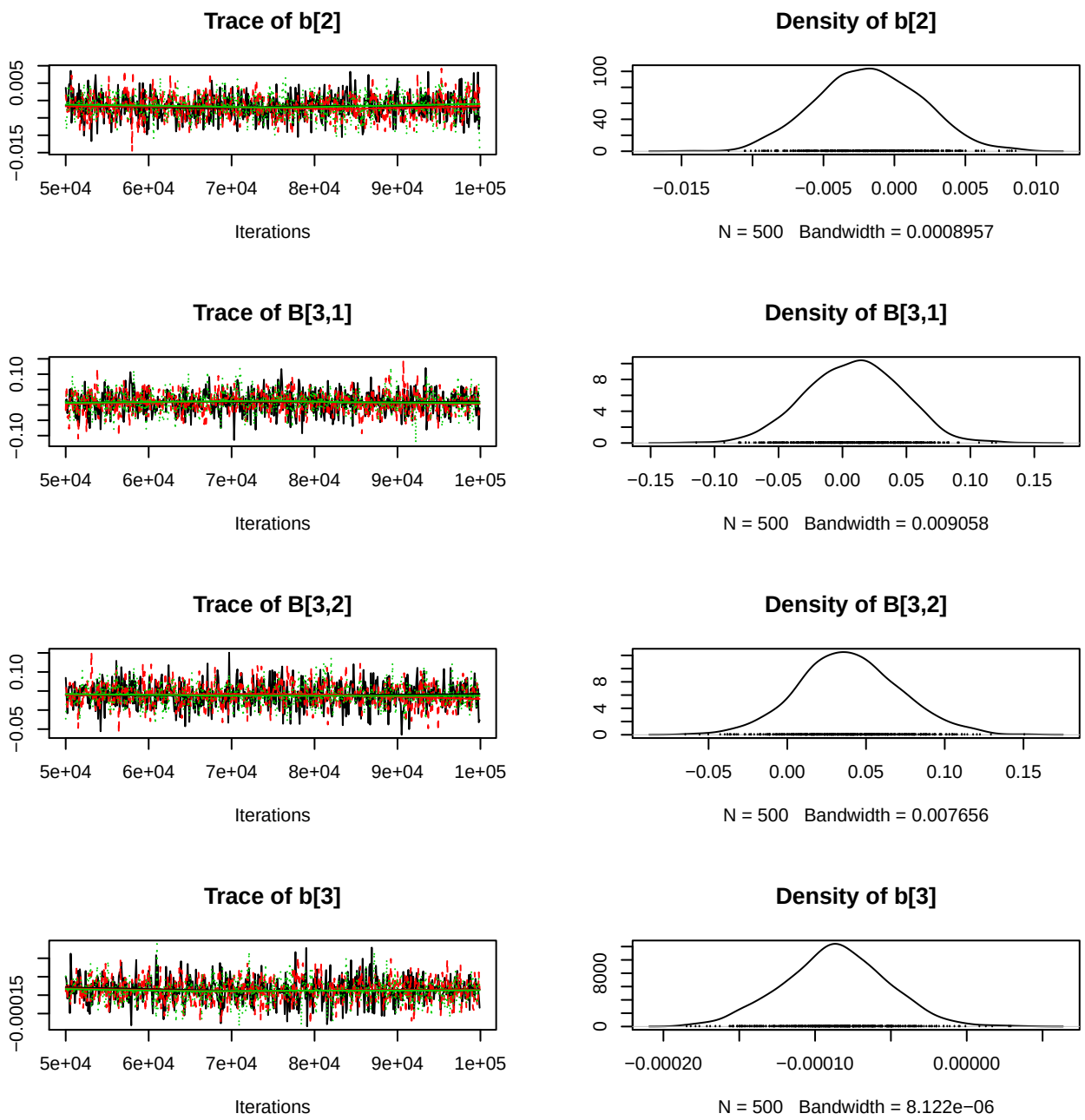
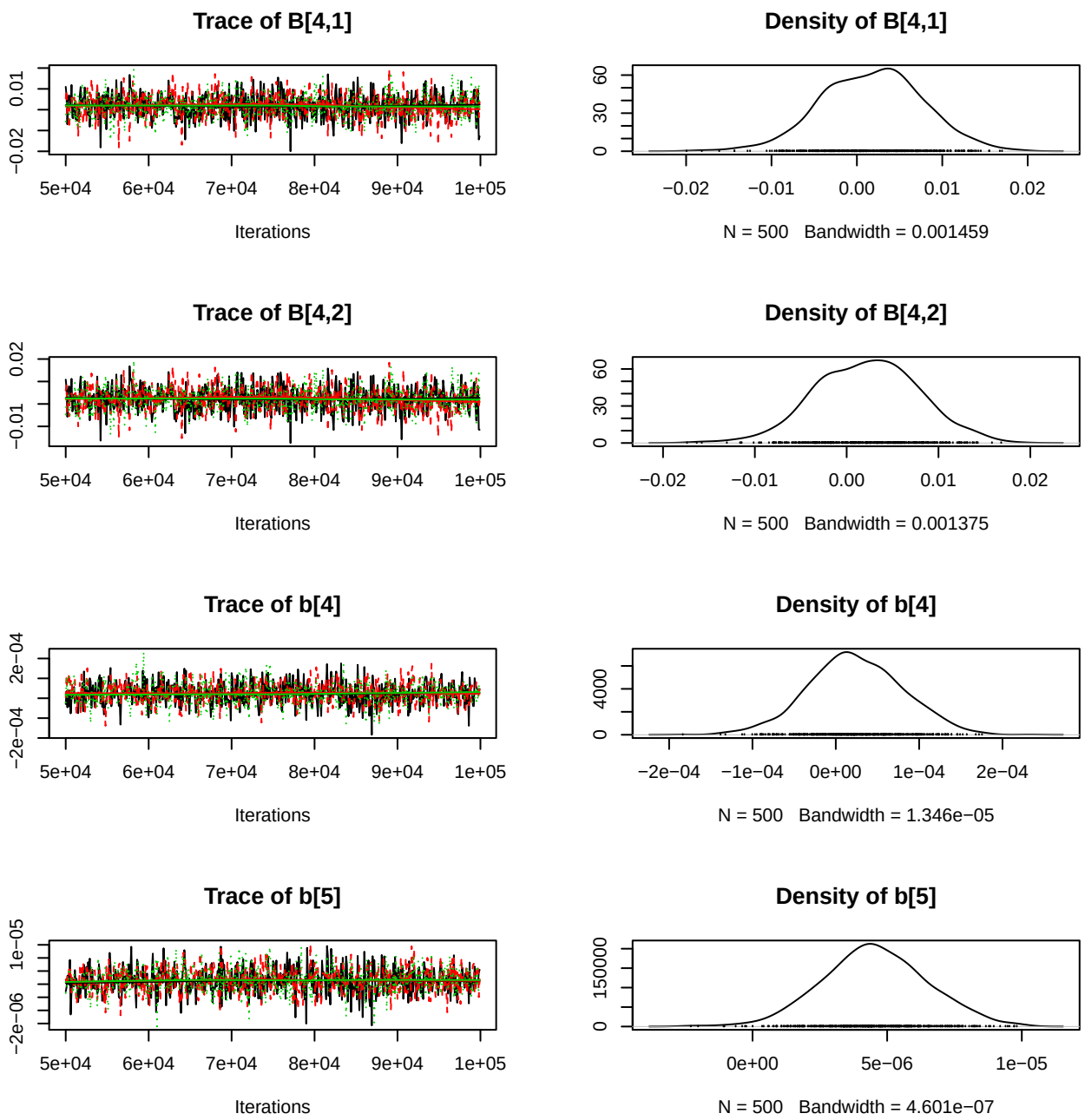

residual
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
−0.4
−0.2
0.0
0.2
0.4
0.6
predicted value

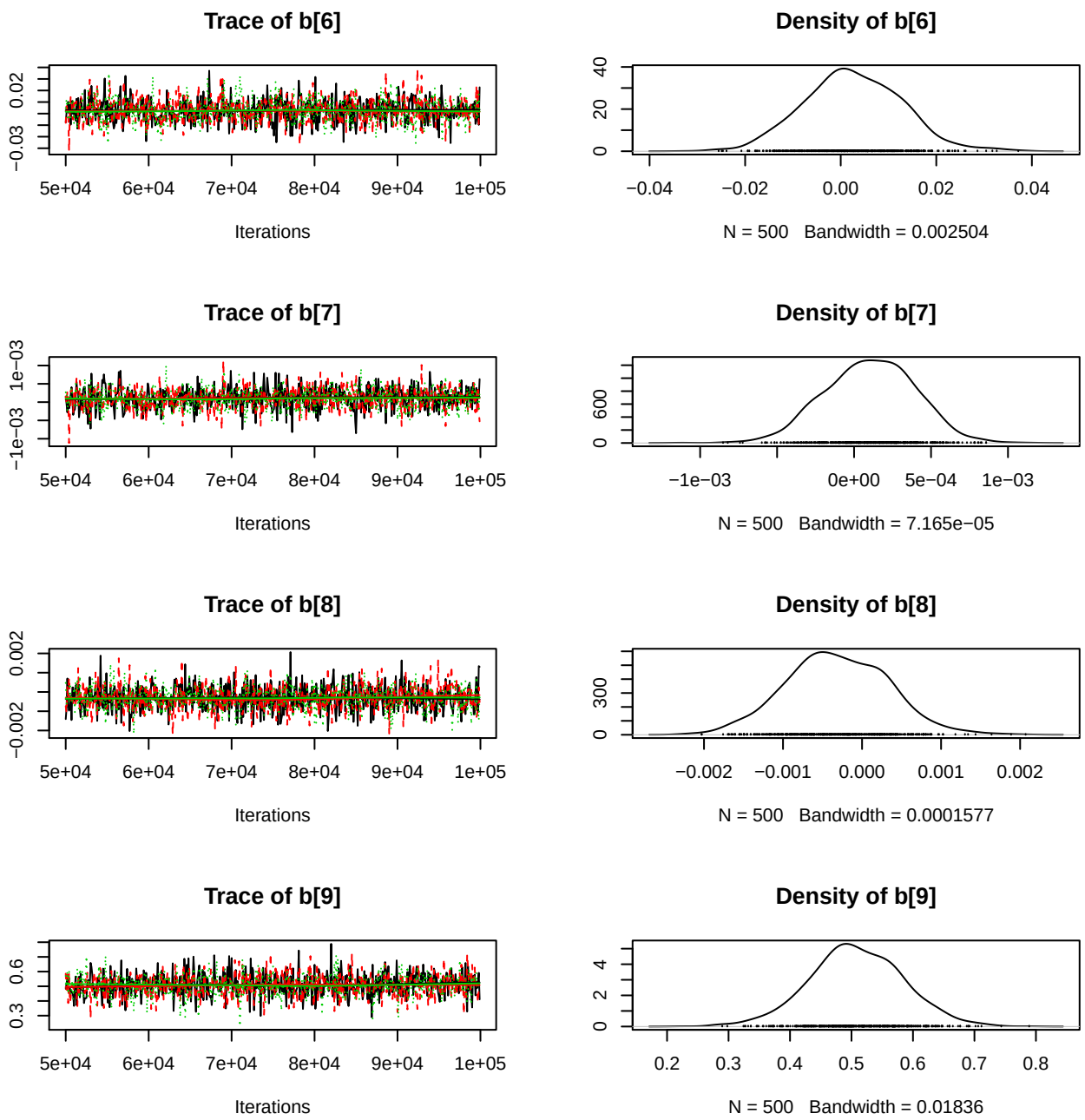

Observed vs Predicted (95%CI)
predicted Y
observed Y
1.0
0.5
0.0
−0.5
−1
0
1
2

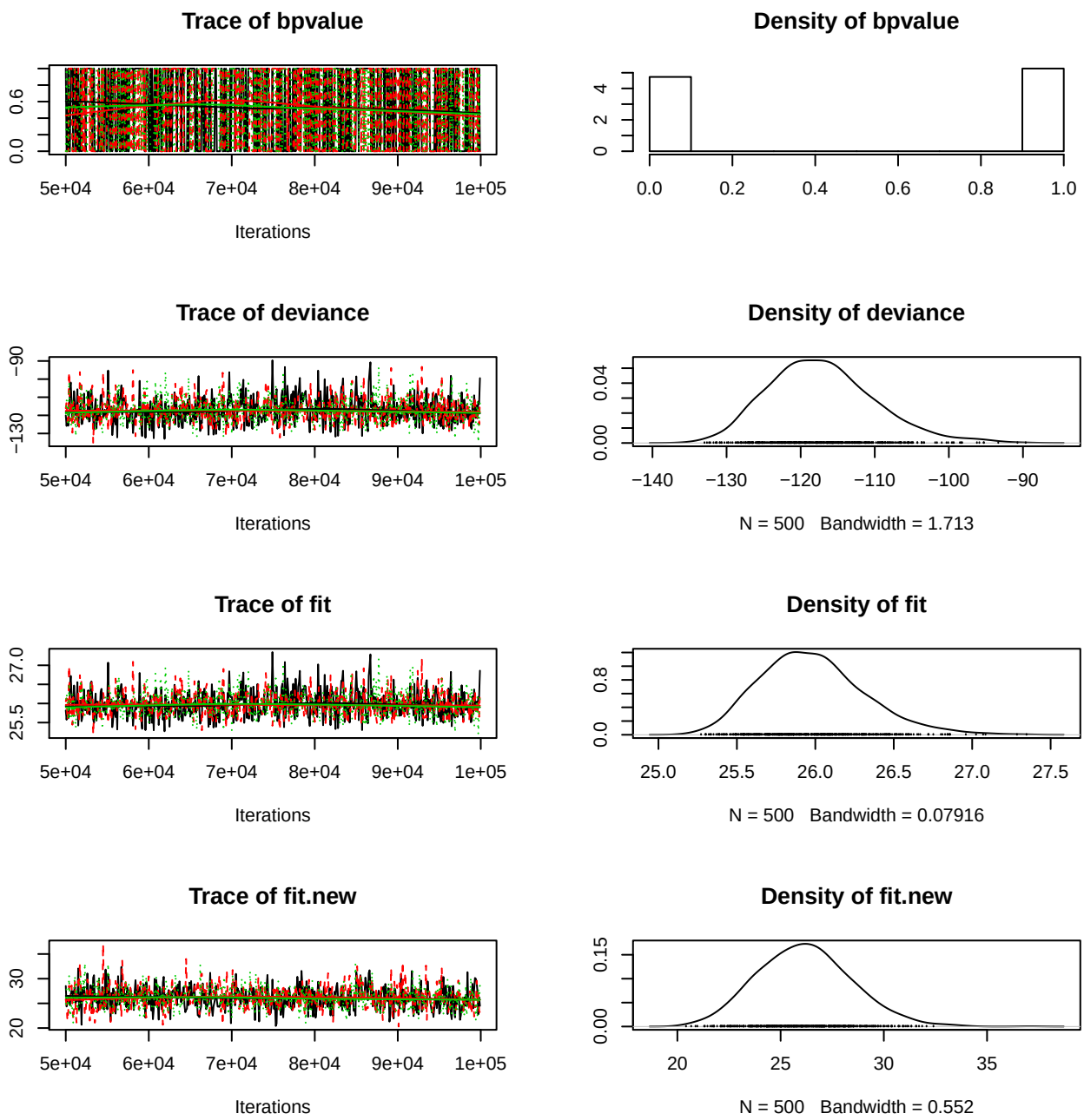

Trace of a[1]
Iterations
Density of a[1]
N = 500 Bandwidth = 0.08604
Trace of a[2]
Iterations
Density of a[2]
N = 500 Bandwidth = 0.06699
Trace of alpha
Iterations
Density of alpha
N = 500 Bandwidth = 0.01401
Trace of B[1,1]
Iterations
Density of B[1,1]
N = 500 Bandwidth = 0.0001531

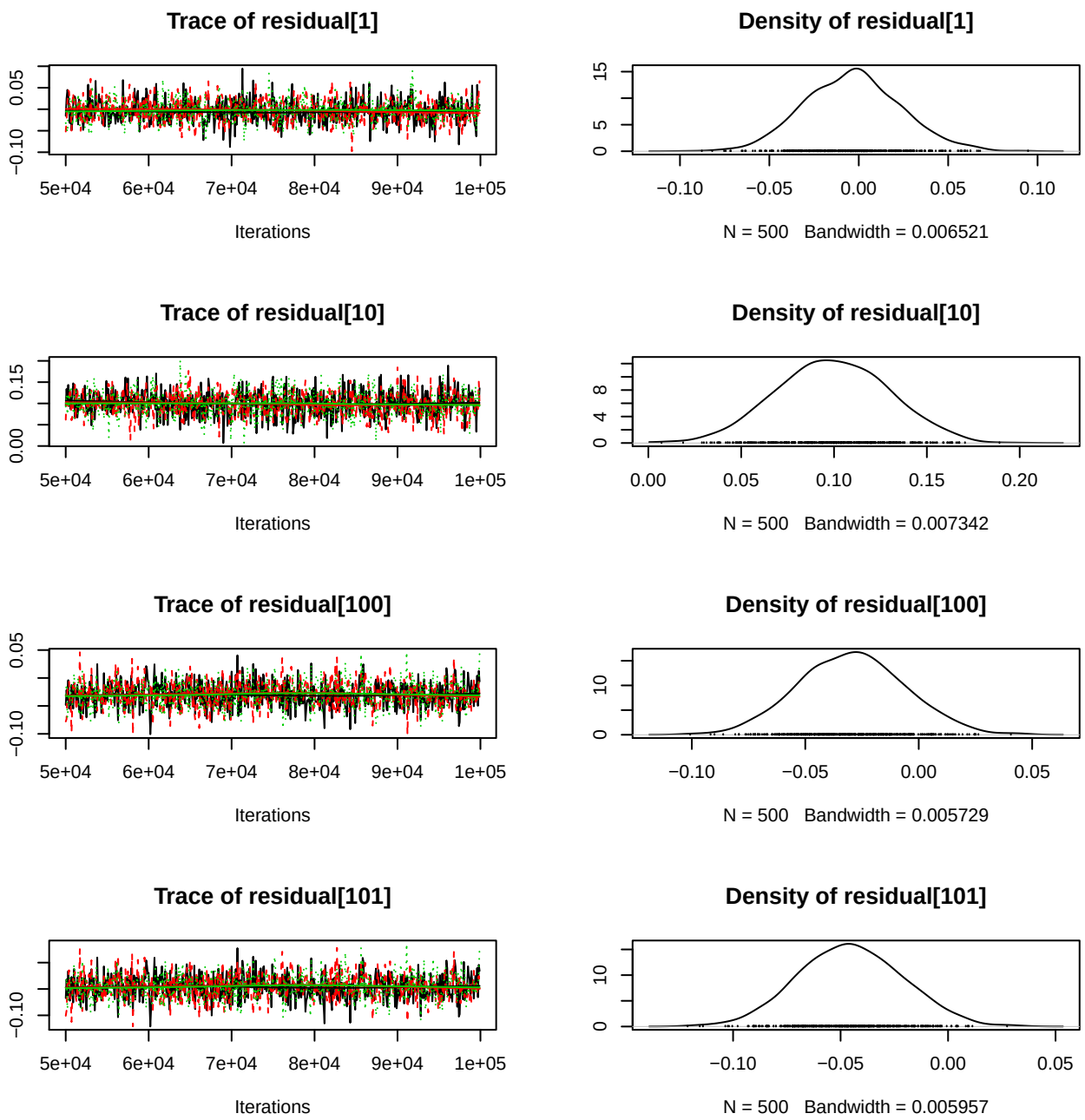

Trace of B[1,2]
−0.002
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of B[1,2]
0
400
−0.002
−0.001
0.000
0.001
0.002
N = 500 Bandwidth = 0.0001319
Trace of b[1]
0.0
0.6
Iterations
Density of b[1]
0.0
2.0
0.0
0.2
0.4
0.6
0.8
1.0
N = 500 Bandwidth = 0.02934
Trace of B[2,1]
−0.2
Iterations
Density of B[2,1]
0
2
4
−0.4
−0.2
0.0
0.2
0.4
N = 500 Bandwidth = 0.02517
Trace of B[2,2]
−0.4
0.2
Iterations
Density of B[2,2]
0
2
4
−0.4
−0.2
0.0
0.2
0.4
N = 500 Bandwidth = 0.02535

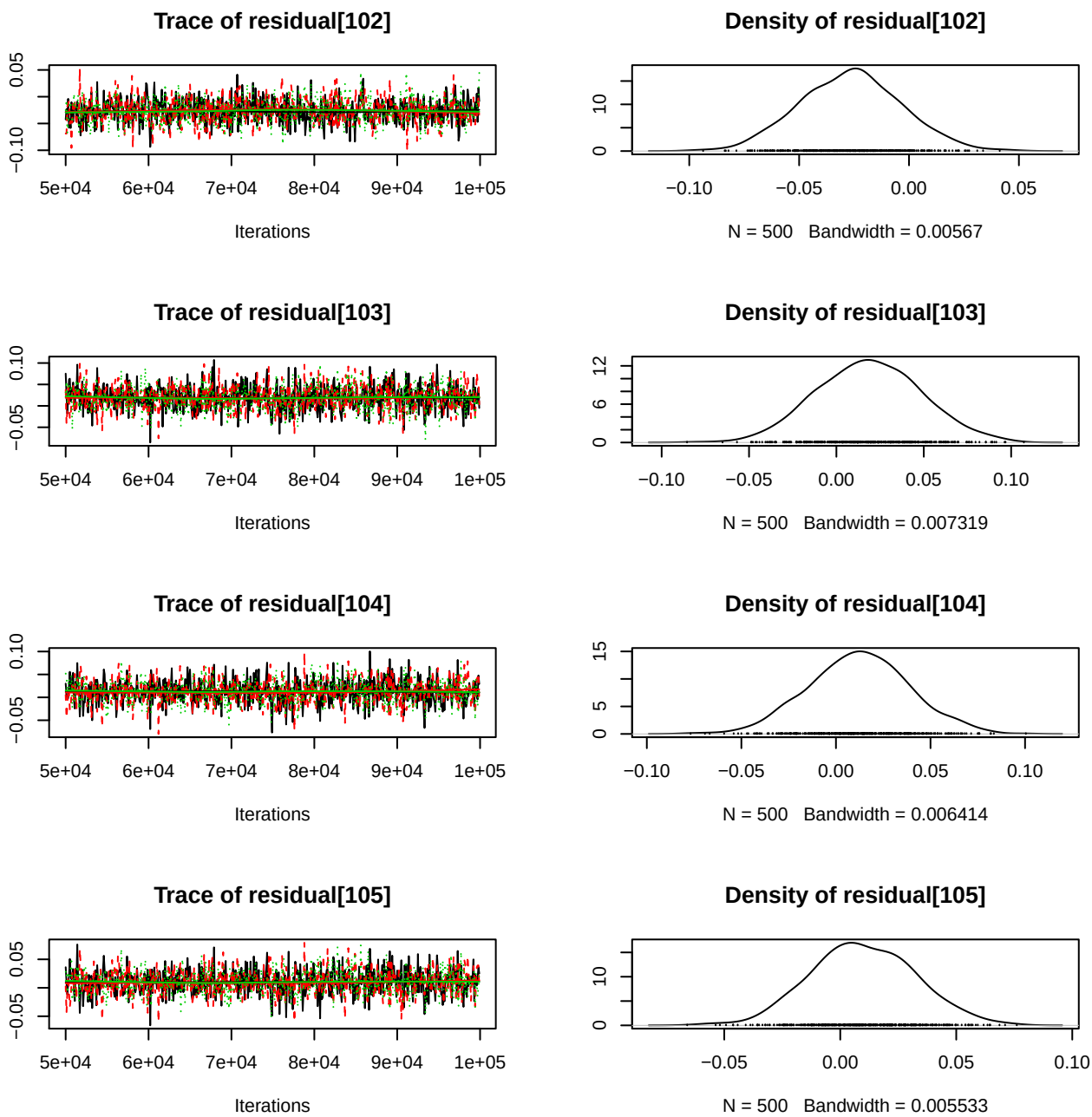

Trace of b[2]
Iterations
Density of b[2]
N = 500 Bandwidth = 0.0008957
Trace of B[3,1]
Iterations
Density of B[3,1]
N = 500 Bandwidth = 0.009058
Trace of B[3,2]
Iterations
Density of B[3,2]
N = 500 Bandwidth = 0.007656
Trace of b[3]
Iterations
Density of b[3]
N = 500 Bandwidth = 8.122e−06

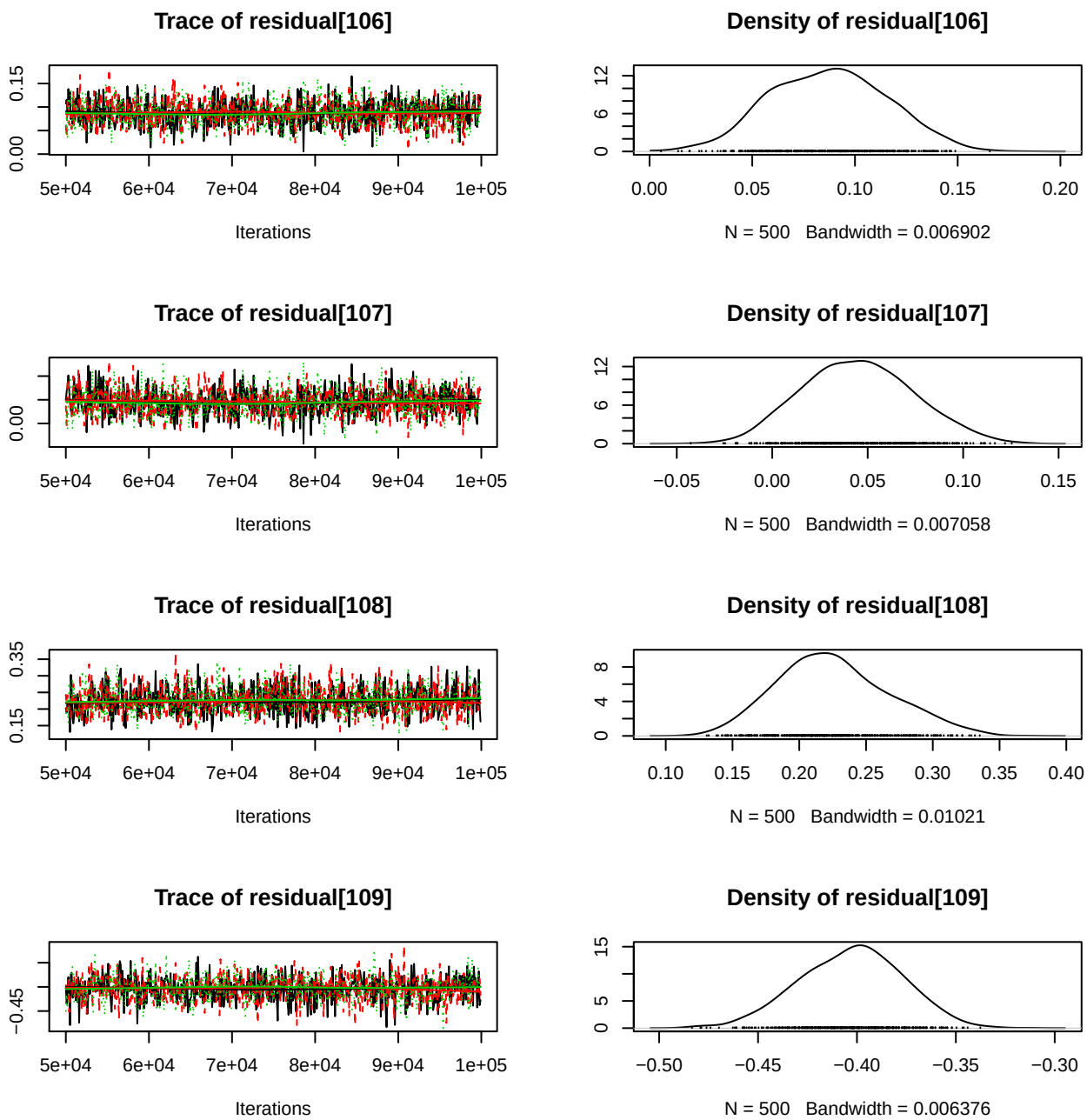

Trace of B[4,1]
Iterations
Density of B[4,1]
N = 500 Bandwidth = 0.001459
Trace of B[4,2]
Iterations
Density of B[4,2]
N = 500 Bandwidth = 0.001375
Trace of b[4]
Iterations
Density of b[4]
N = 500 Bandwidth = 1.346e−05
Trace of b[5]
Iterations
Density of b[5]
N = 500 Bandwidth = 4.601e−07

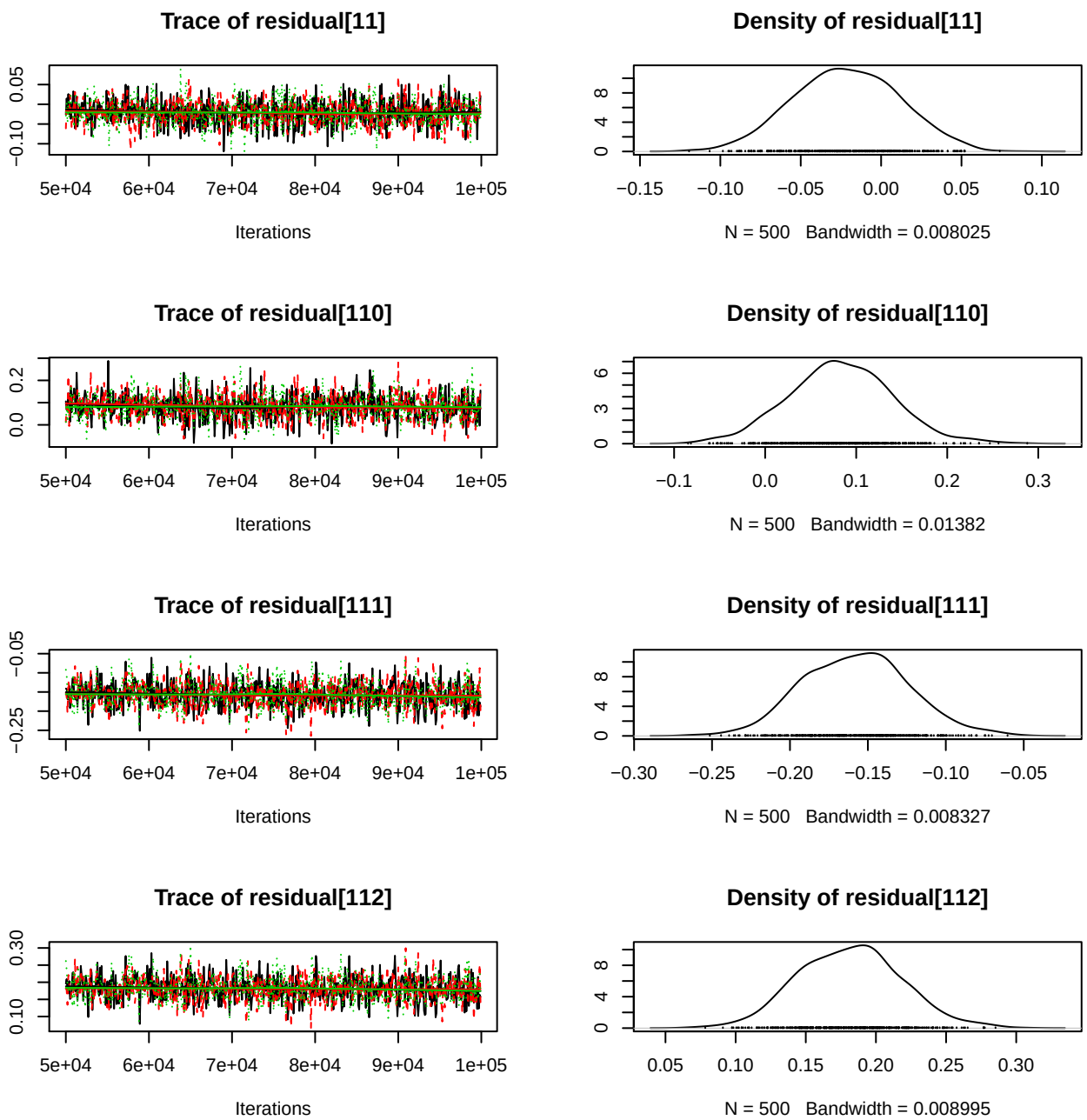

Trace of b[6]
Iterations
Density of b[6]
N = 500 Bandwidth = 0.002504
Trace of b[7]
Iterations
Density of b[7]
N = 500 Bandwidth = 7.165e−05
Trace of b[8]
Iterations
Density of b[8]
N = 500 Bandwidth = 0.0001577
Trace of b[9]
Iterations
Density of b[9]
N = 500 Bandwidth = 0.01836

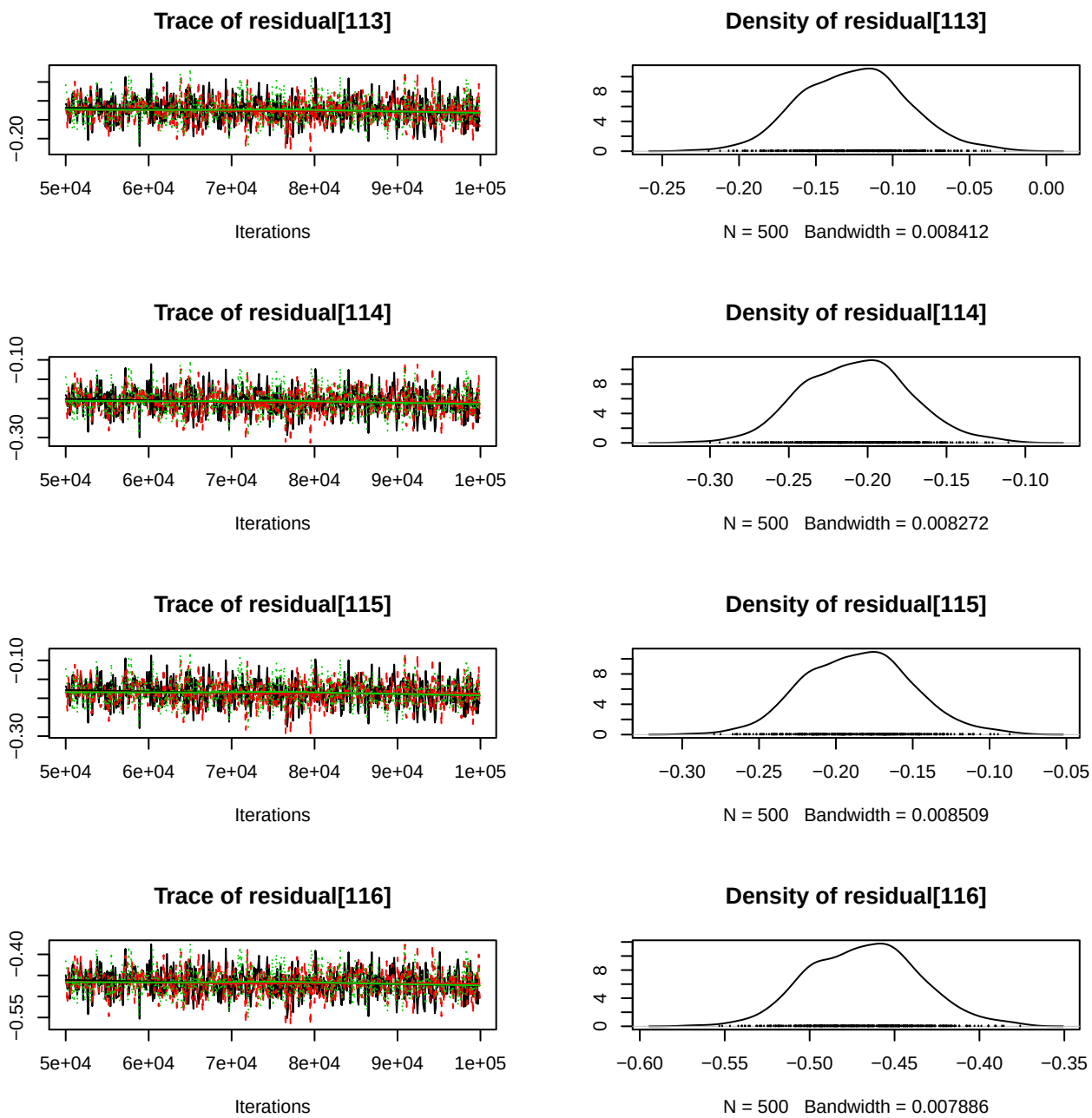

Trace of bpvalue
0.0
0.6
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of bpvalue
0
2
4
0.0
0.2
0.4
0.6
0.8
1.0
Trace of deviance
−130
−90
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of deviance
0.00
0.04
−140
−130
−120
−110
−100
−90
N = 500 Bandwidth = 1.713
Trace of fit
25.5
27.0
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of fit
0.0
0.8
25.0
25.5
26.0
26.5
27.0
27.5
N = 500 Bandwidth = 0.07916
Trace of fit.new
20
30
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of fit.new
0.00
0.15
20
25
30
35
N = 500 Bandwidth = 0.552

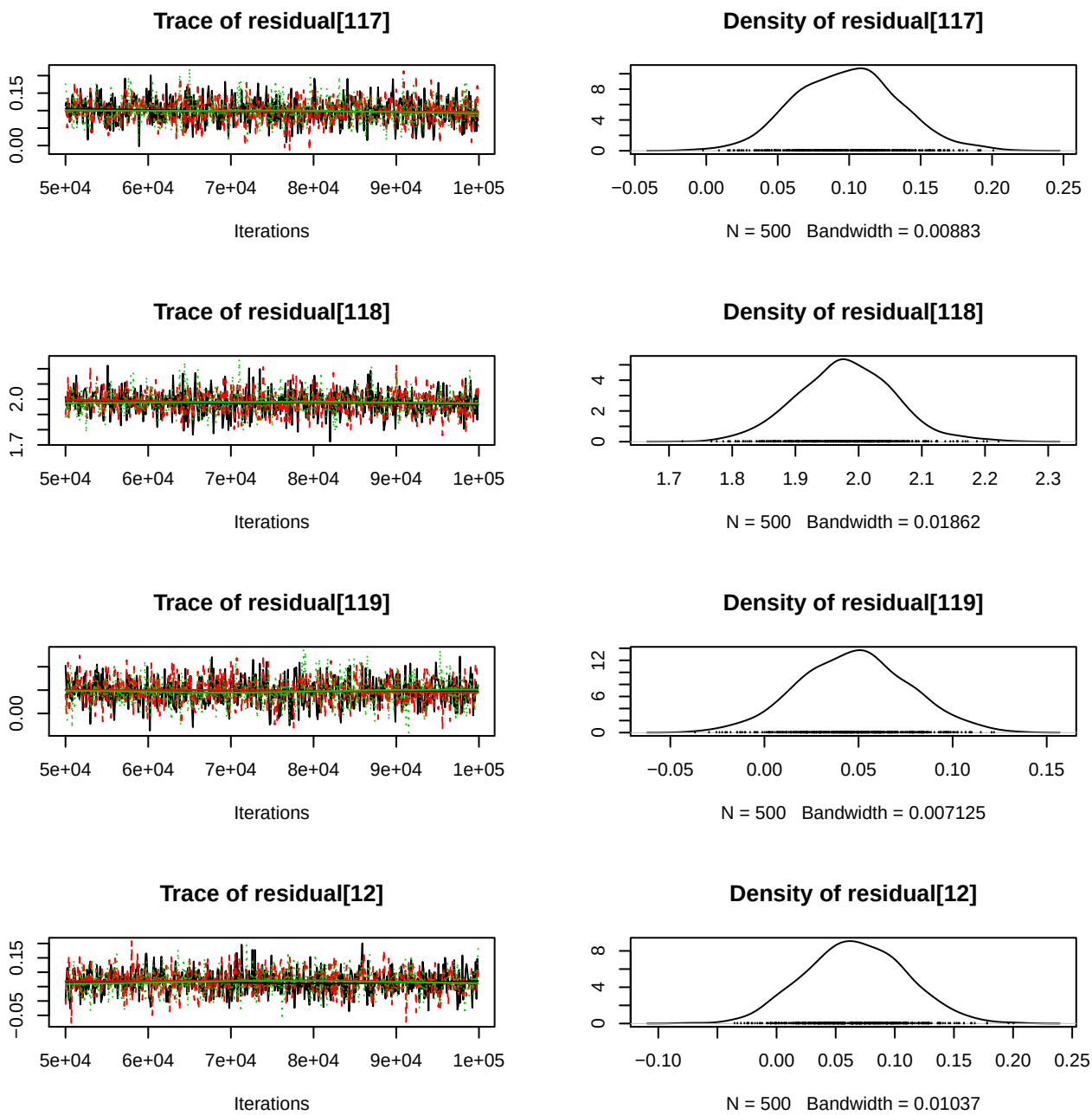

Trace of residual[1]
Iterations
Density of residual[1]
N = 500 Bandwidth = 0.006521
Trace of residual[10]
Iterations
Density of residual[10]
N = 500 Bandwidth = 0.007342
Trace of residual[100]
Iterations
Density of residual[100]
N = 500 Bandwidth = 0.005729
Trace of residual[101]
Iterations
Density of residual[101]
N = 500 Bandwidth = 0.005957

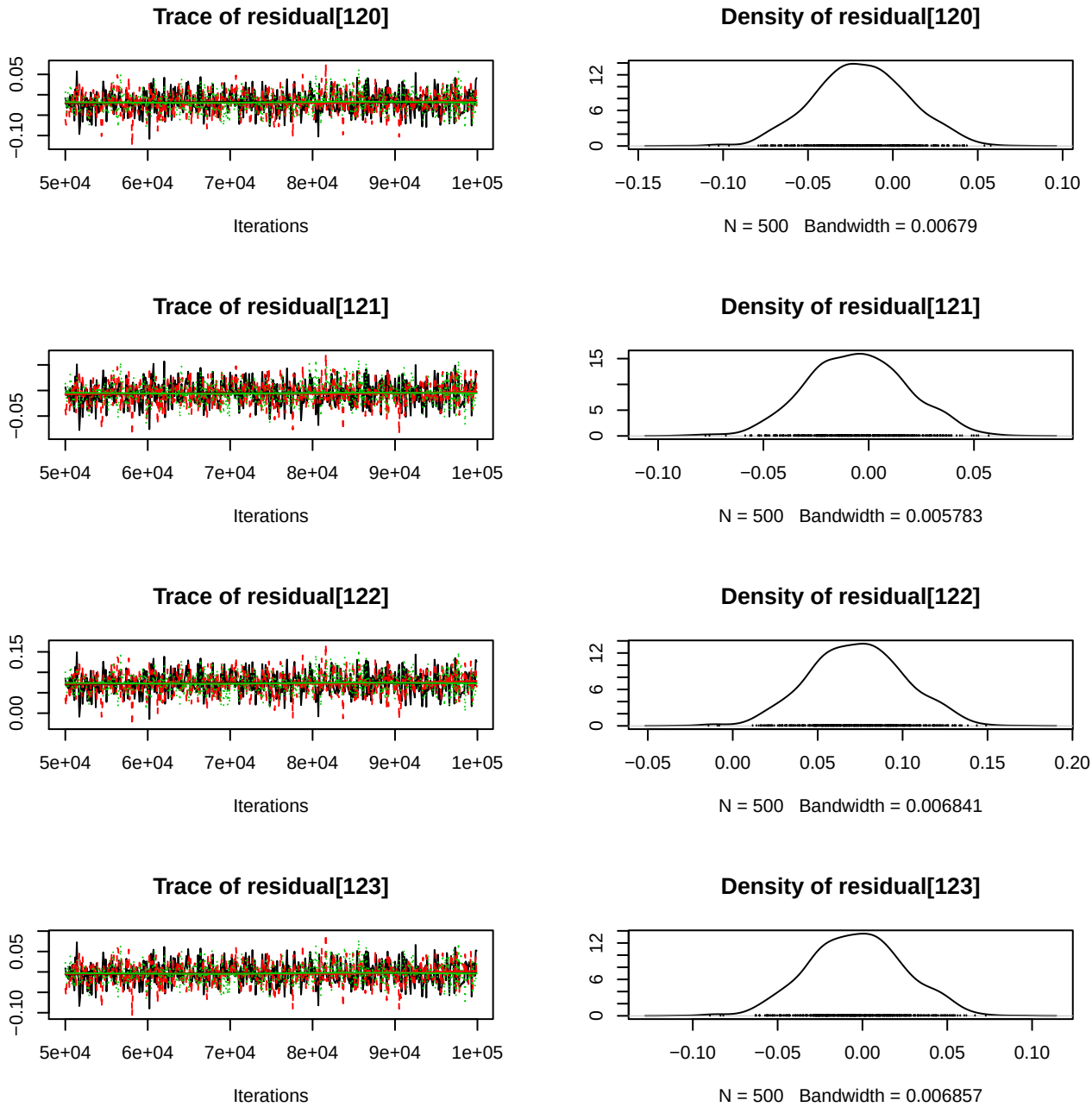

Trace of residual[102]
Iterations
Density of residual[102]
N = 500 Bandwidth = 0.00567
Trace of residual[103]
Iterations
Density of residual[103]
N = 500 Bandwidth = 0.007319
Trace of residual[104]
Iterations
Density of residual[104]
N = 500 Bandwidth = 0.006414
Trace of residual[105]
Iterations
Density of residual[105]
N = 500 Bandwidth = 0.005533

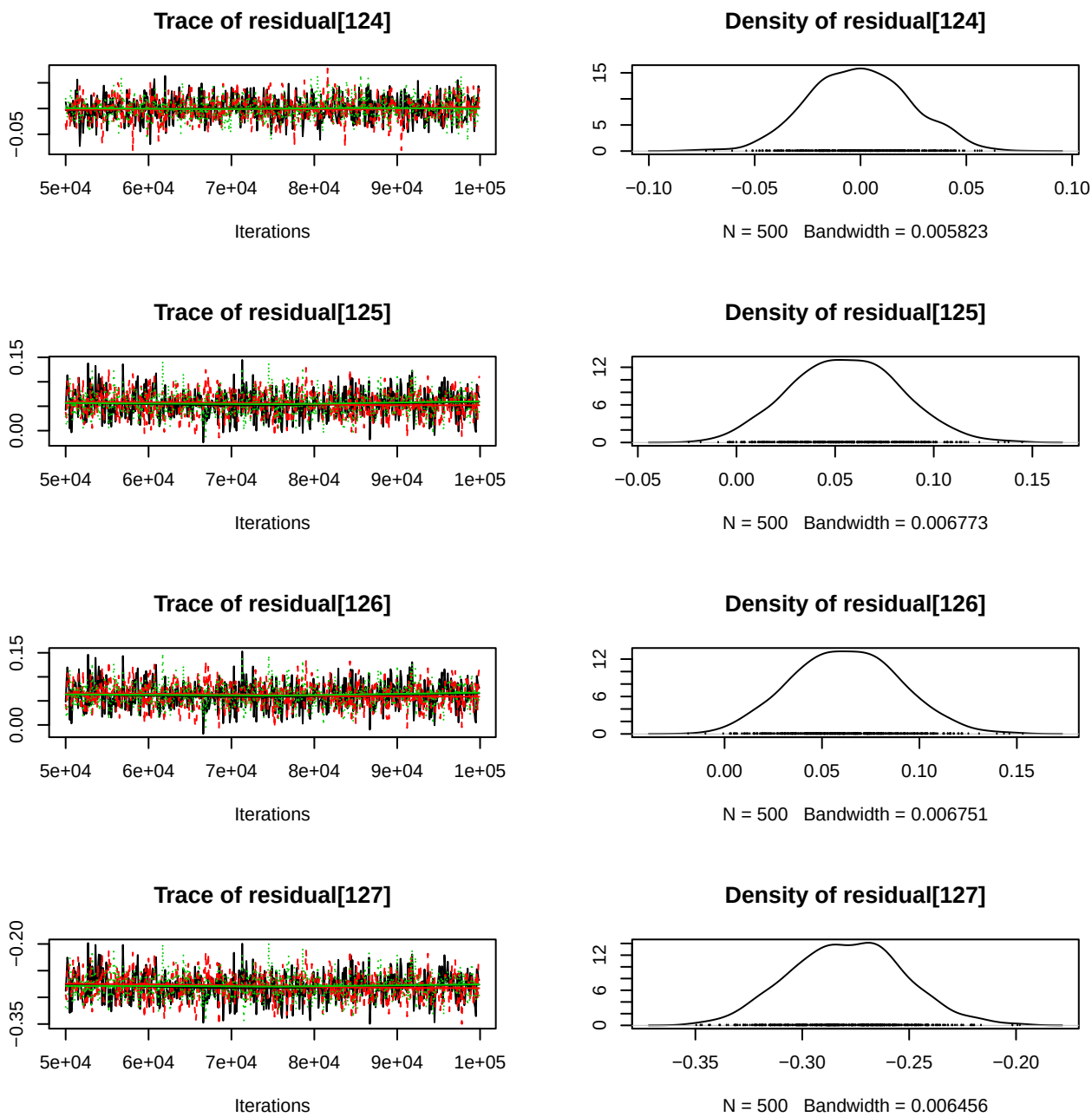

Trace of residual[106]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[106]
0
6
12
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.006902
Trace of residual[107]
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[107]
0
6
12
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.007058
Trace of residual[108]
0.15
0.35
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[108]
0
4
8
0.10
0.15
0.20
0.25
0.30
0.35
0.40
N = 500 Bandwidth = 0.01021
Trace of residual[109]
−0.45
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[109]
0
5
15
−0.50
−0.45
−0.40
−0.35
−0.30
N = 500 Bandwidth = 0.006376

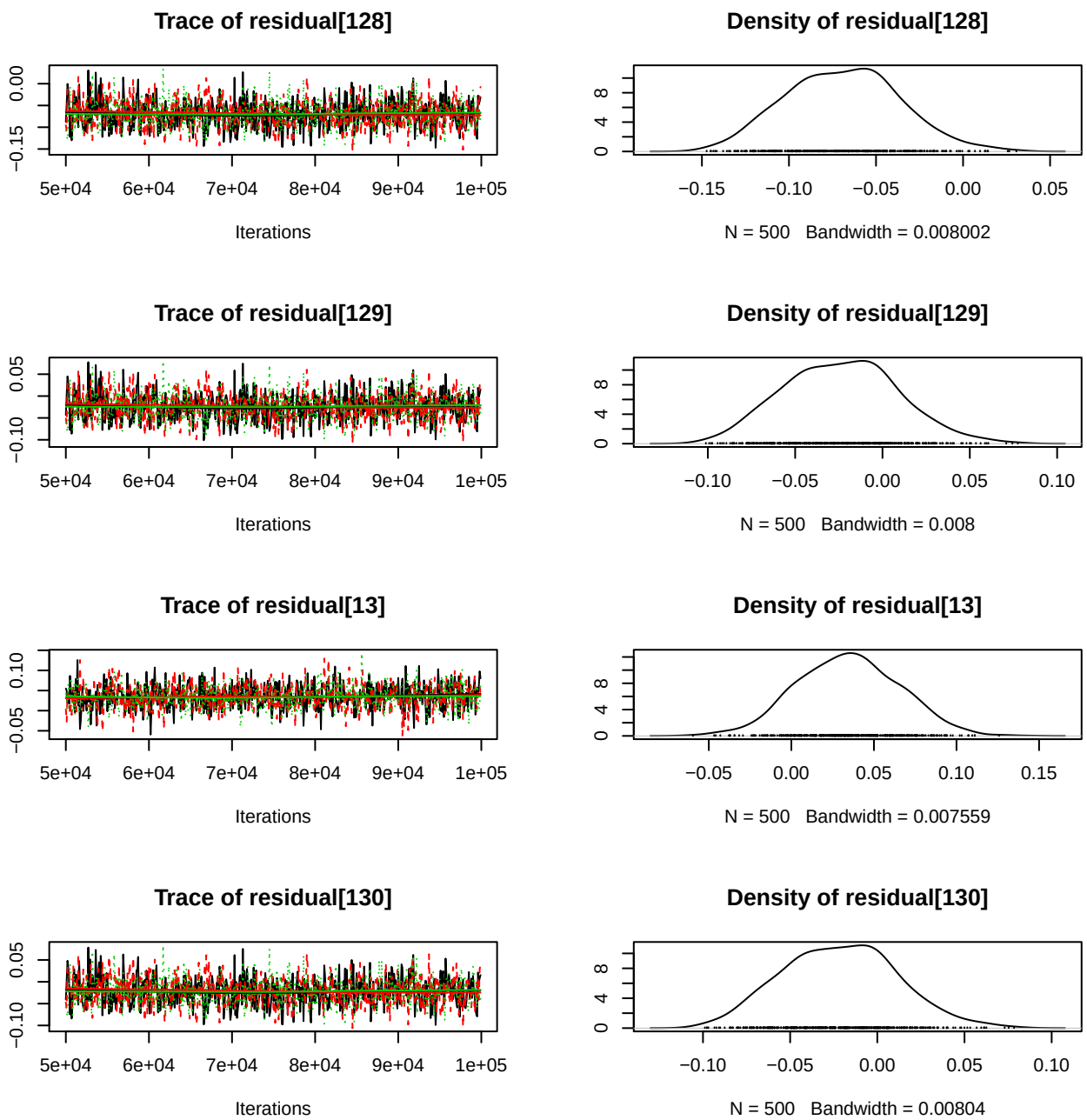

Trace of residual[11]
Iterations
Density of residual[11]
N = 500 Bandwidth = 0.008025
Trace of residual[110]
Iterations
Density of residual[110]
N = 500 Bandwidth = 0.01382
Trace of residual[111]
Iterations
Density of residual[111]
N = 500 Bandwidth = 0.008327
Trace of residual[112]
Iterations
Density of residual[112]
N = 500 Bandwidth = 0.008995

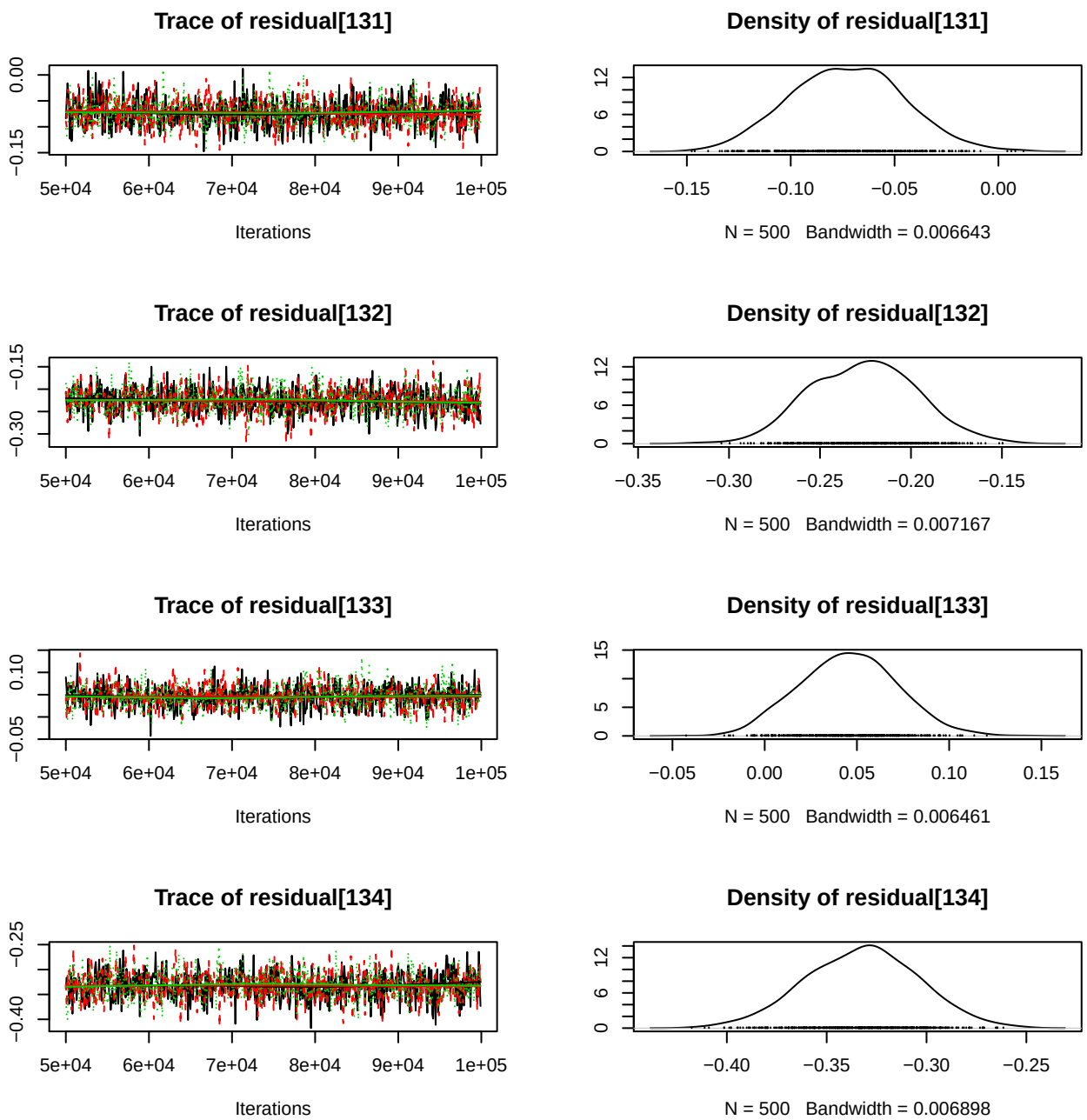

Trace of residual[113]
−0.20
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[113]
0 4 8
−0.25 −0.20 −0.15 −0.10 −0.05 0.00
N = 500 Bandwidth = 0.008412
Trace of residual[114]
−0.10
−0.30
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[114]
0 4 8
−0.30 −0.25 −0.20 −0.15 −0.10
N = 500 Bandwidth = 0.008272
Trace of residual[115]
−0.10
−0.30
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[115]
0 4 8
−0.30 −0.25 −0.20 −0.15 −0.10 −0.05
N = 500 Bandwidth = 0.008509
Trace of residual[116]
−0.40
−0.55
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[116]
0 4 8
−0.60 −0.55 −0.50 −0.45 −0.40 −0.35
N = 500 Bandwidth = 0.007886

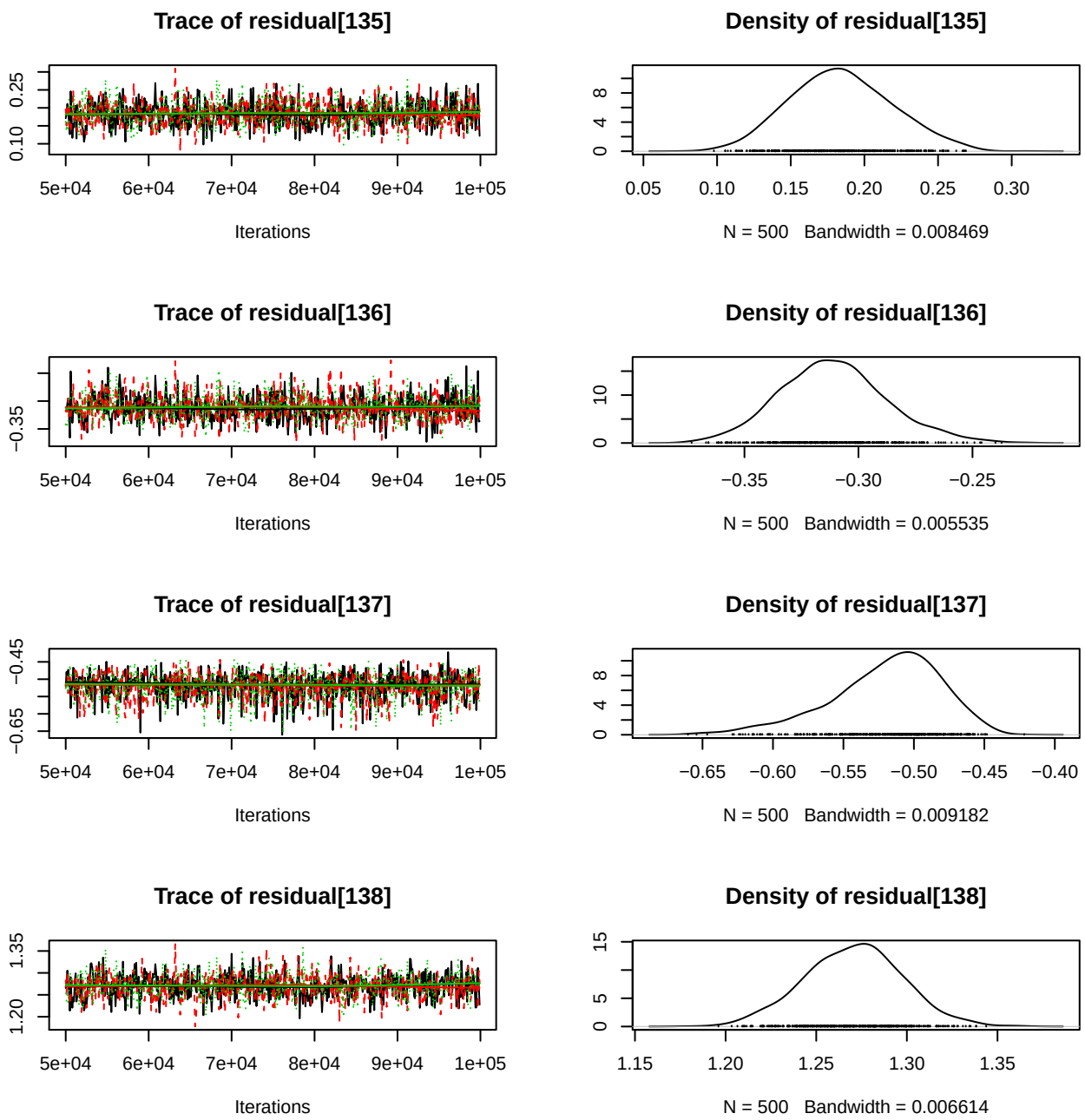

Trace of residual[117]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[117]
0
4
8
−0.05
0.00
0.05
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.00883
Trace of residual[118]
1.7
2.0
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[118]
0
2
4
1.7
1.8
1.9
2.0
2.1
2.2
2.3
N = 500 Bandwidth = 0.01862
Trace of residual[119]
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[119]
0
6
12
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.007125
Trace of residual[12]
−0.05
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[12]
0
4
8
−0.10
0.00
0.05
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.01037

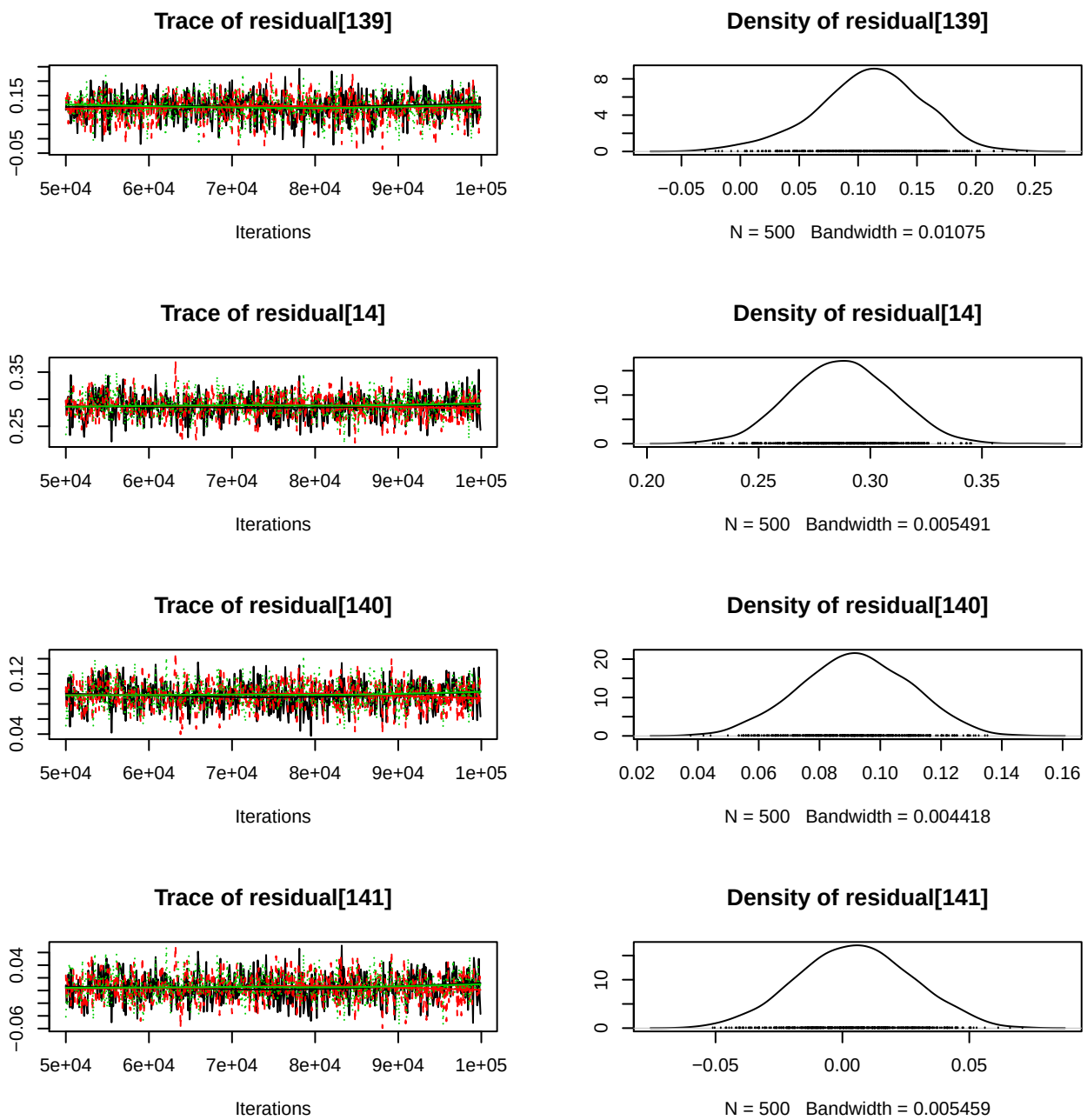

Trace of residual[120]
Iterations
Density of residual[120]
N = 500 Bandwidth = 0.00679
Trace of residual[121]
Iterations
Density of residual[121]
N = 500 Bandwidth = 0.005783
Trace of residual[122]
Iterations
Density of residual[122]
N = 500 Bandwidth = 0.006841
Trace of residual[123]
Iterations
Density of residual[123]
N = 500 Bandwidth = 0.006857

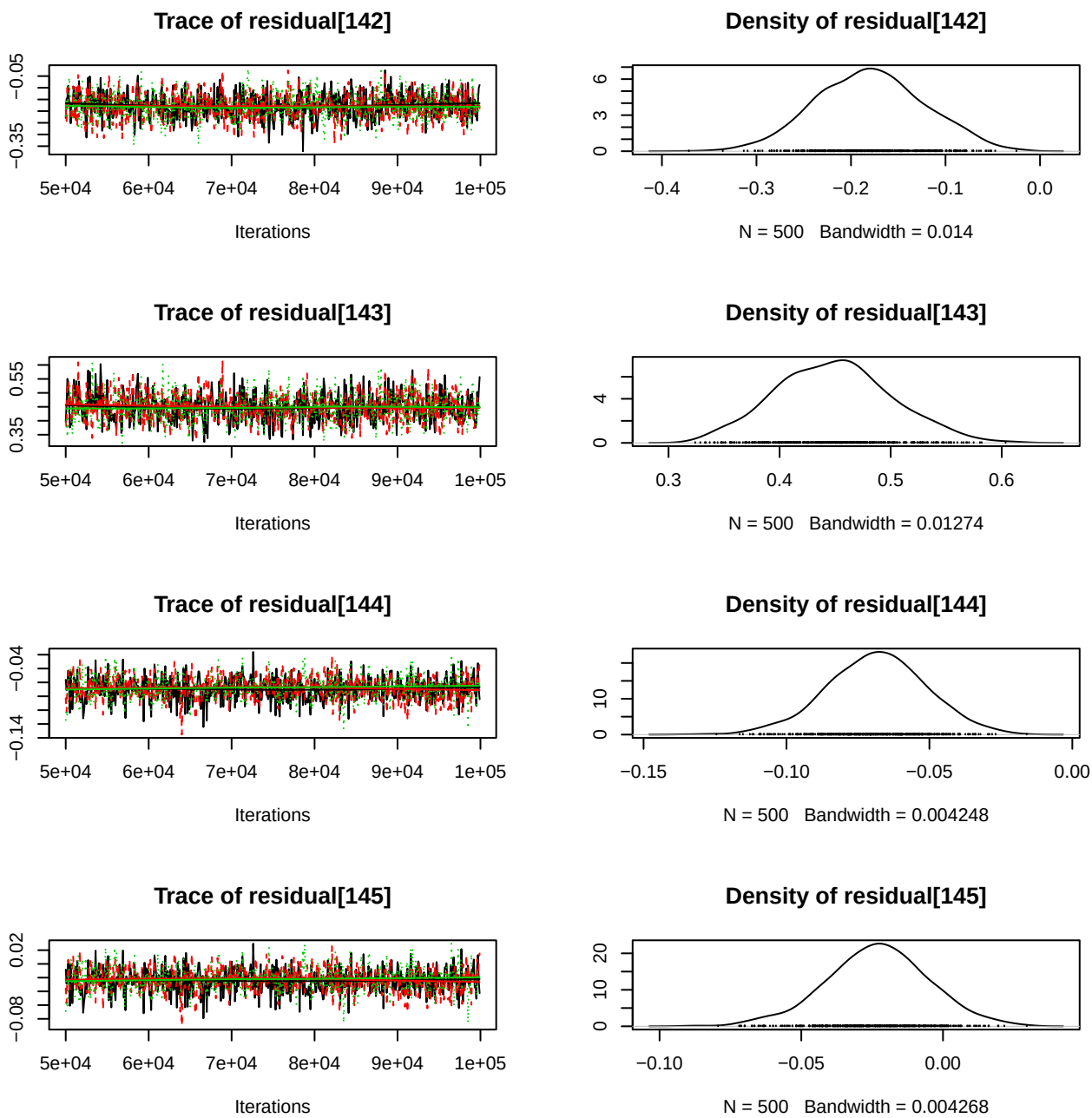

Trace of residual[124]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[124]
0
5
15
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.005823
Trace of residual[125]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[125]
0
6
12
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.006773
Trace of residual[126]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[126]
0
6
12
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.006751
Trace of residual[127]
−0.35
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[127]
0
6
12
−0.35
−0.30
−0.25
−0.20
N = 500 Bandwidth = 0.006456

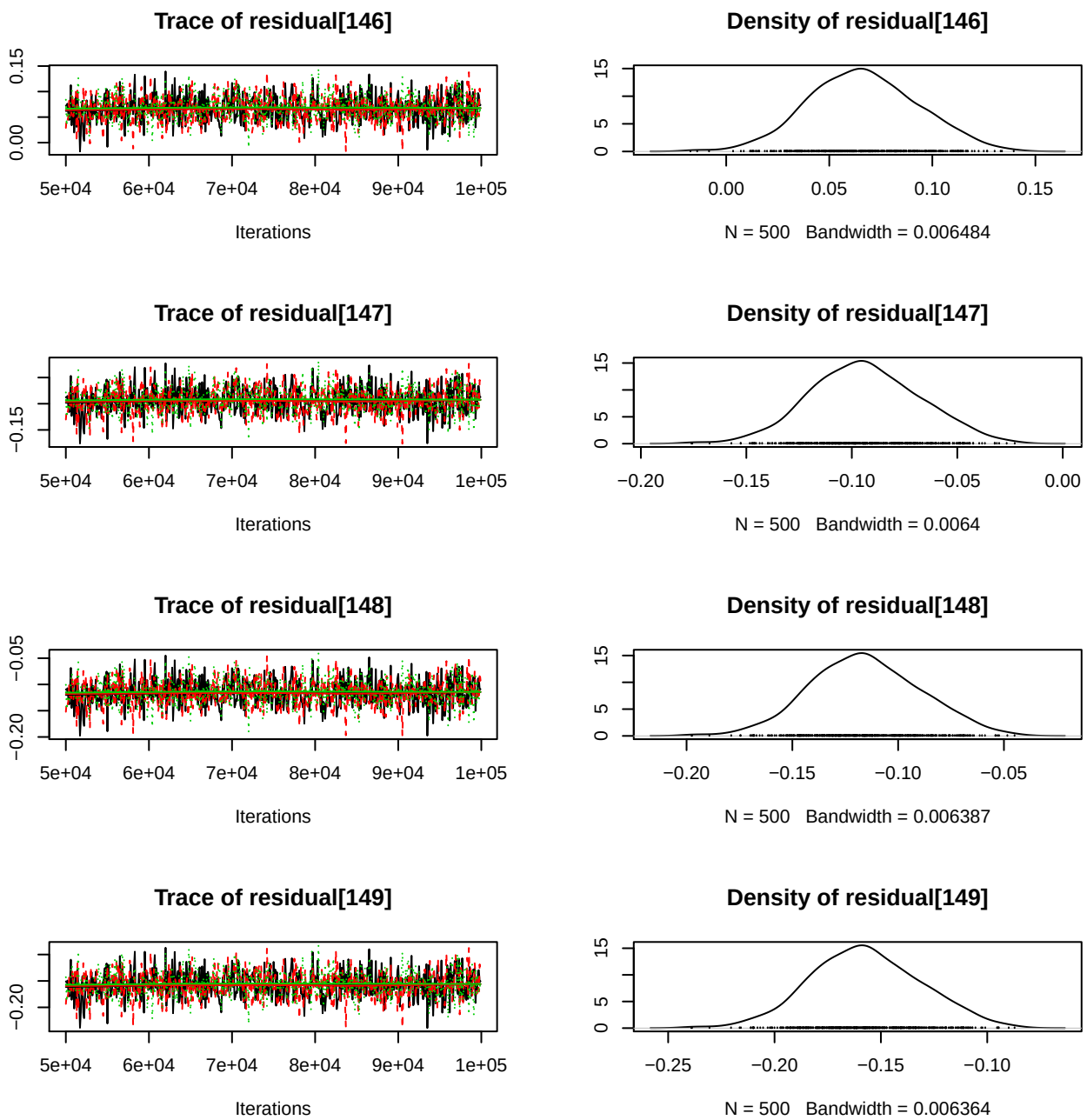

Trace of residual[128]
Iterations
Density of residual[128]
N = 500 Bandwidth = 0.008002
Trace of residual[129]
Iterations
Density of residual[129]
N = 500 Bandwidth = 0.008
Trace of residual[13]
Iterations
Density of residual[13]
N = 500 Bandwidth = 0.007559
Trace of residual[130]
Iterations
Density of residual[130]
N = 500 Bandwidth = 0.00804

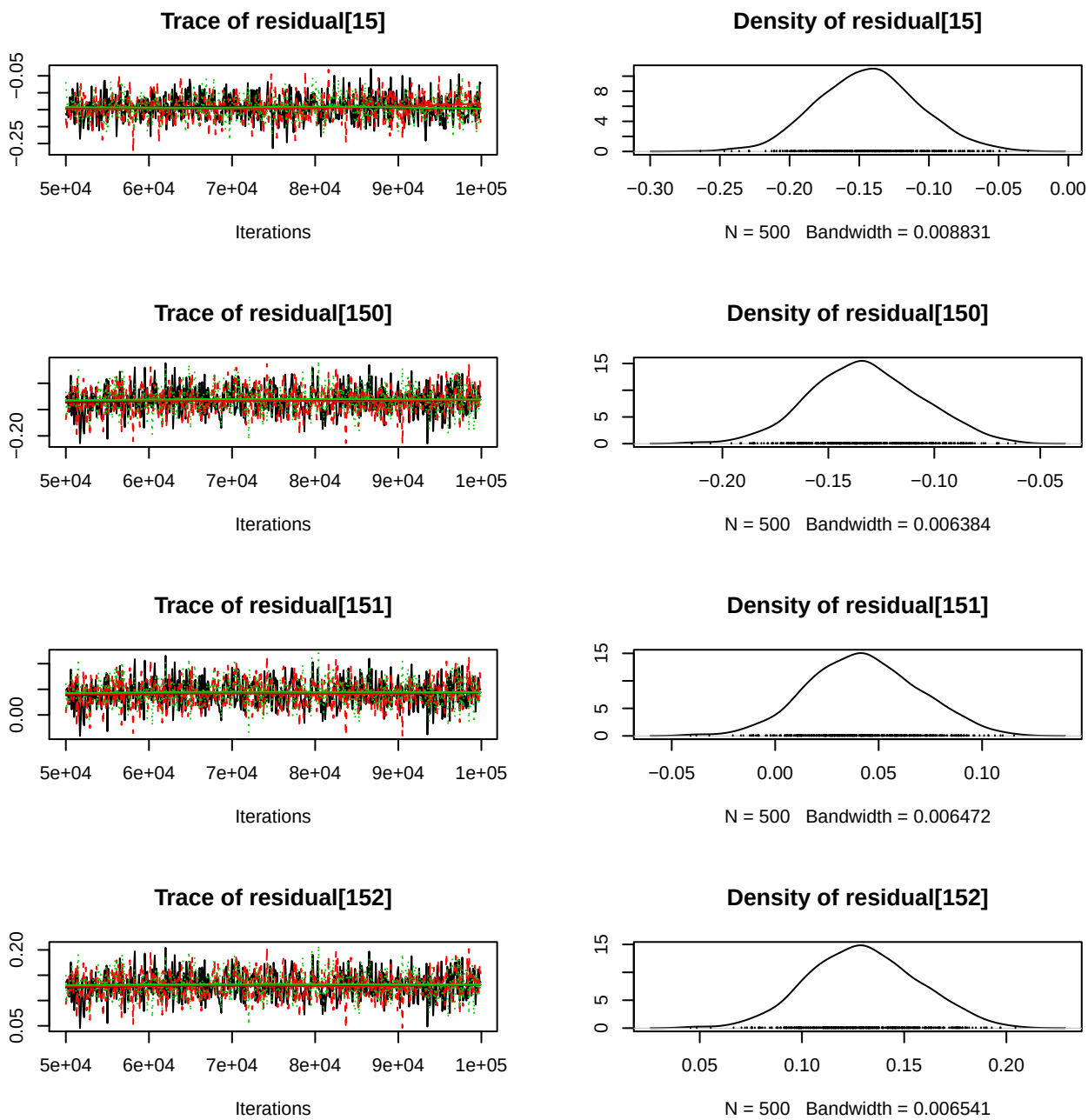

Trace of residual[131]
Iterations
Density of residual[131]
N = 500 Bandwidth = 0.006643
Trace of residual[132]
Iterations
Density of residual[132]
N = 500 Bandwidth = 0.007167
Trace of residual[133]
Iterations
Density of residual[133]
N = 500 Bandwidth = 0.006461
Trace of residual[134]
Iterations
Density of residual[134]
N = 500 Bandwidth = 0.006898

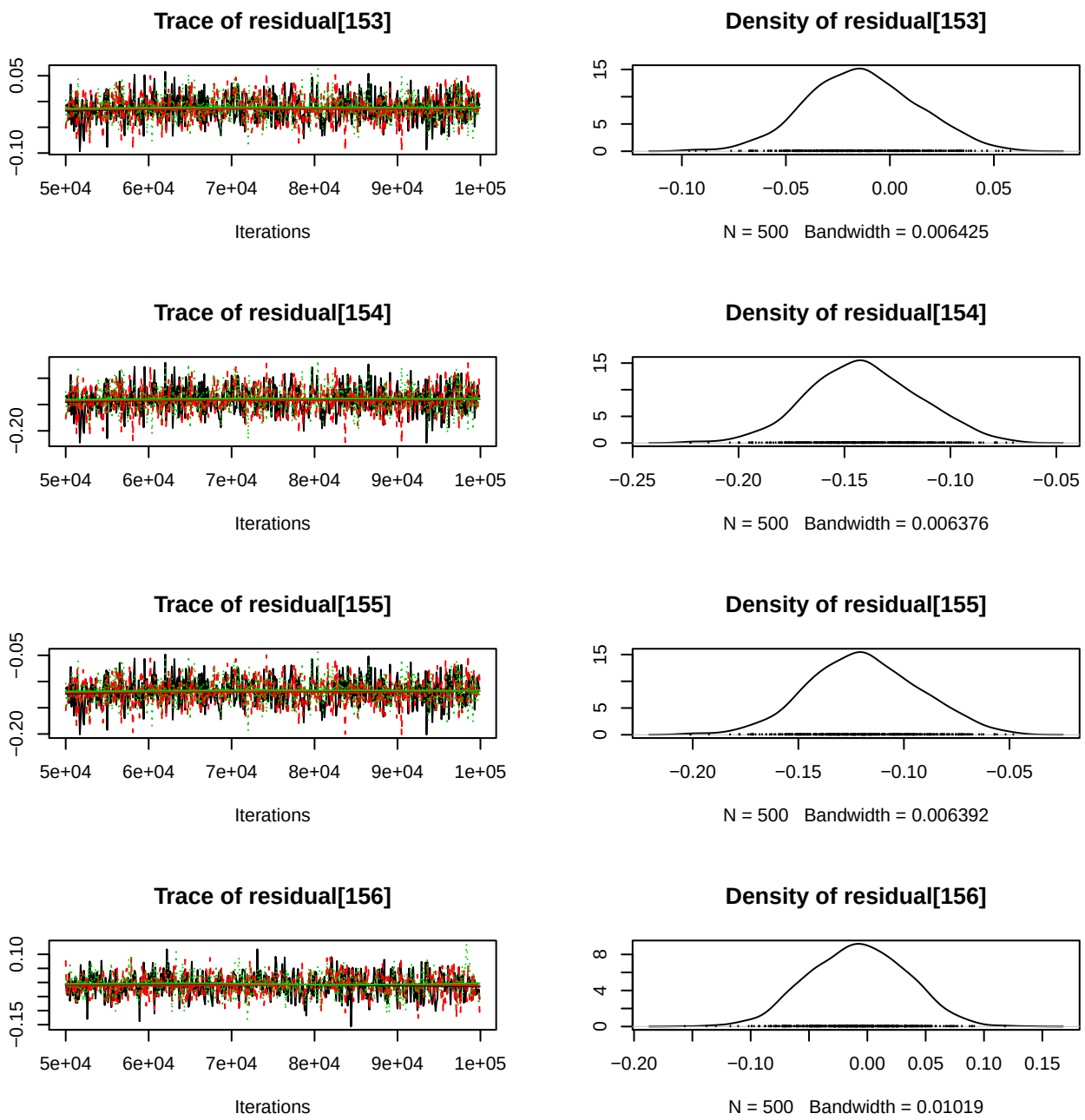

Trace of residual[135]
0.10
0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[135]
0
4
8
0.05
0.10
0.15
0.20
0.25
0.30
N = 500 Bandwidth = 0.008469
Trace of residual[136]
−0.35
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[136]
0
10
−0.35
−0.30
−0.25
N = 500 Bandwidth = 0.005535
Trace of residual[137]
−0.65
−0.45
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[137]
0
4
8
−0.65
−0.60
−0.55
−0.50
−0.45
−0.40
N = 500 Bandwidth = 0.009182
Trace of residual[138]
1.20
1.35
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[138]
0
5
15
1.15
1.20
1.25
1.30
1.35
N = 500 Bandwidth = 0.006614

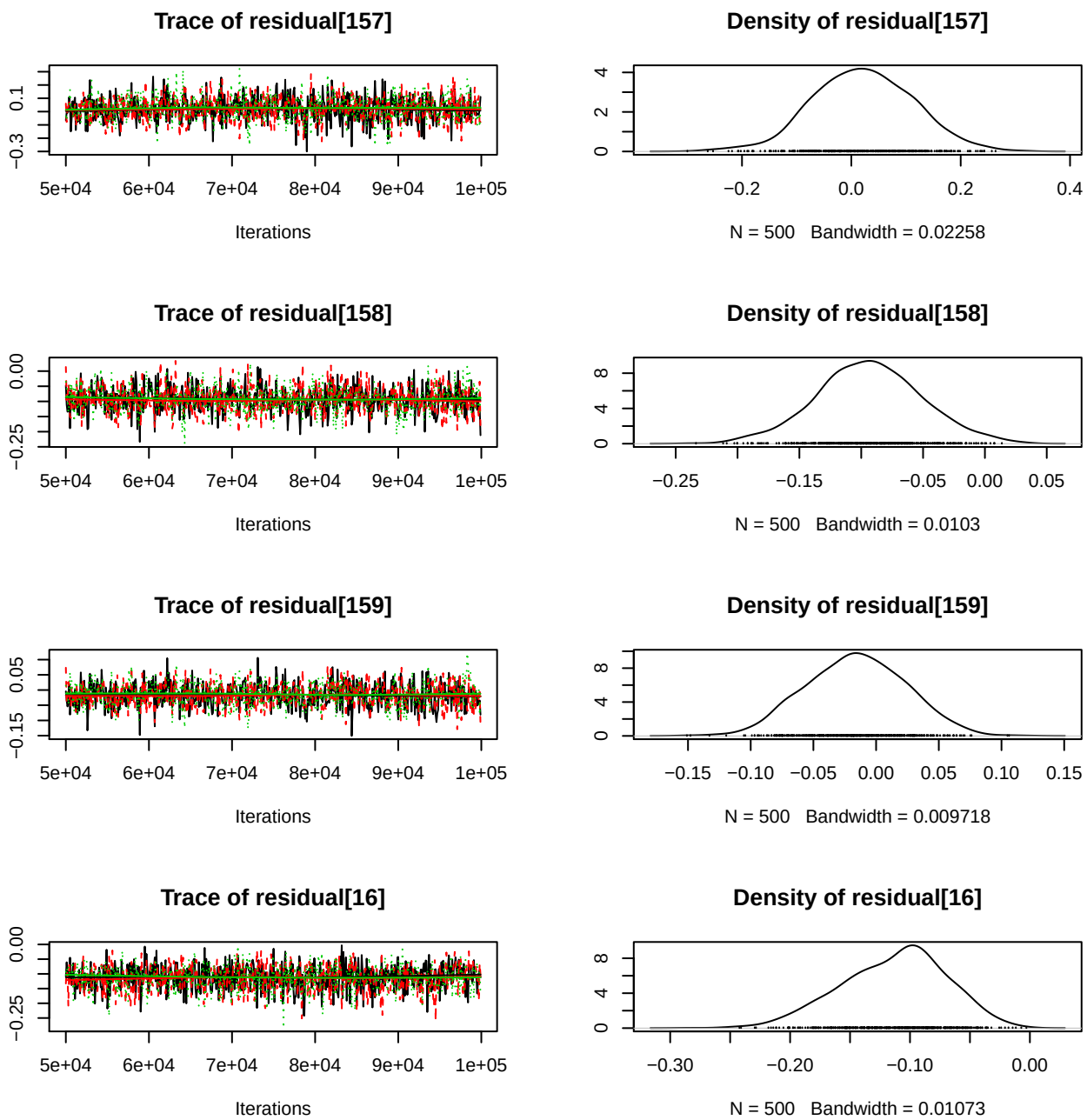

Trace of residual[139]
Iterations
Density of residual[139]
N = 500 Bandwidth = 0.01075
Trace of residual[14]
Iterations
Density of residual[14]
N = 500 Bandwidth = 0.005491
Trace of residual[140]
Iterations
Density of residual[140]
N = 500 Bandwidth = 0.004418
Trace of residual[141]
Iterations
Density of residual[141]
N = 500 Bandwidth = 0.005459

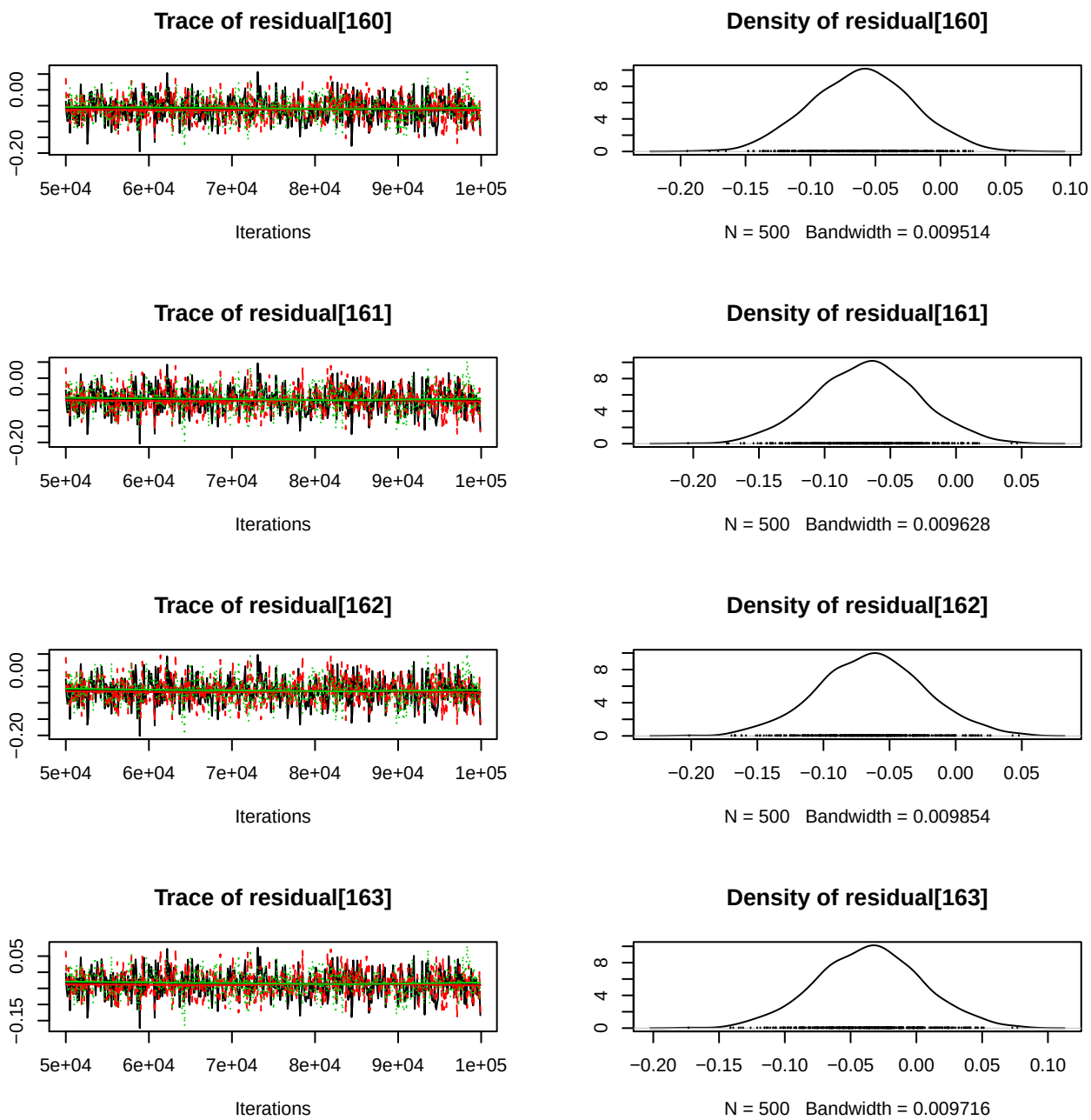

Trace of residual[142]
−0.35
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[142]
0
3
6
−0.4
−0.3
−0.2
−0.1
0.0
N = 500 Bandwidth = 0.014
Trace of residual[143]
0.35
0.55
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[143]
0
4
0.3
0.4
0.5
0.6
N = 500 Bandwidth = 0.01274
Trace of residual[144]
−0.14
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[144]
0
10
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004248
Trace of residual[145]
−0.08
0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[145]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004268

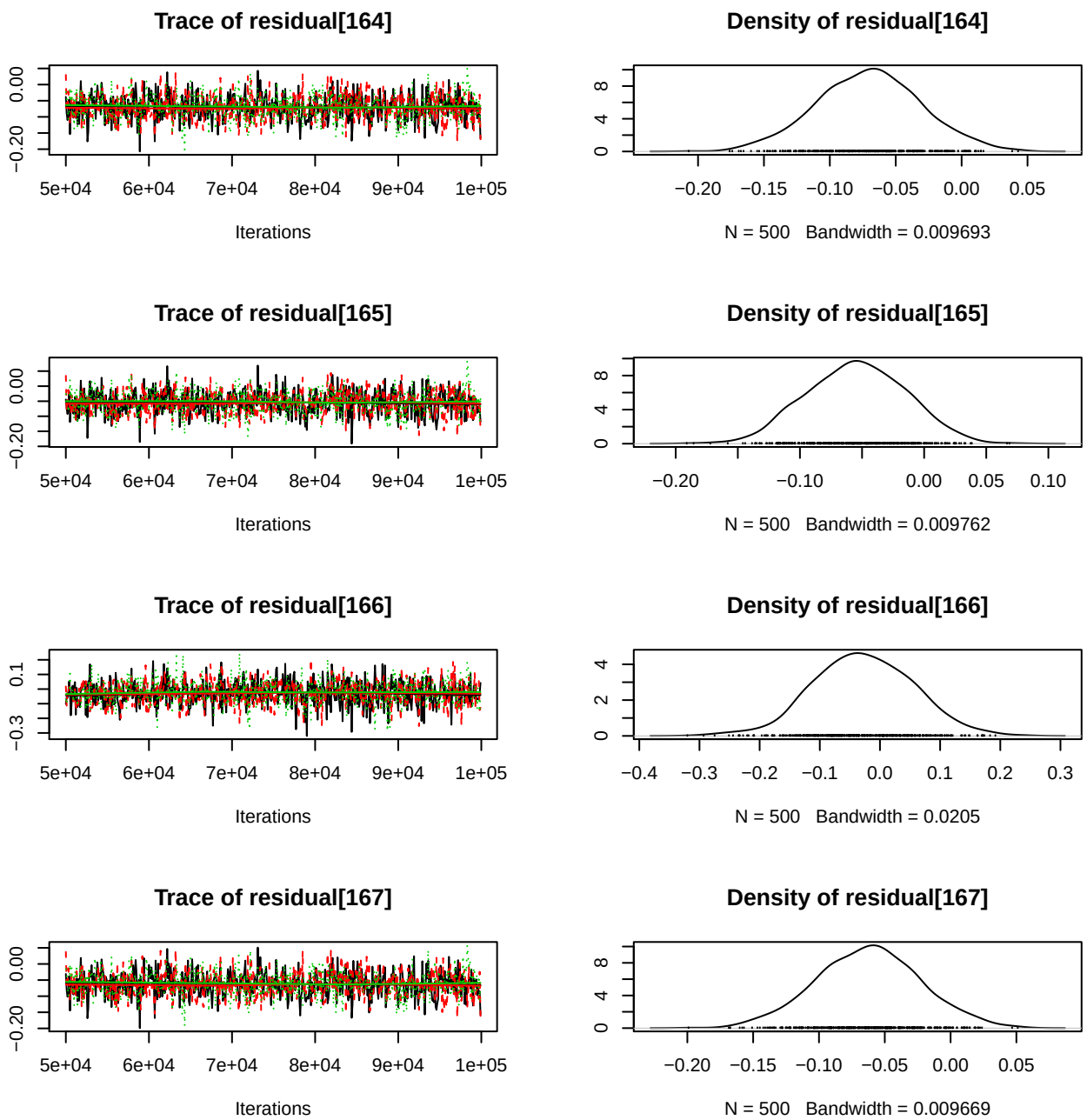

Trace of residual[146]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[146]
0
5
15
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.006484
Trace of residual[147]
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[147]
0
5
15
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.0064
Trace of residual[148]
−0.20
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[148]
0
5
15
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.006387
Trace of residual[149]
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[149]
0
5
15
−0.25
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.006364

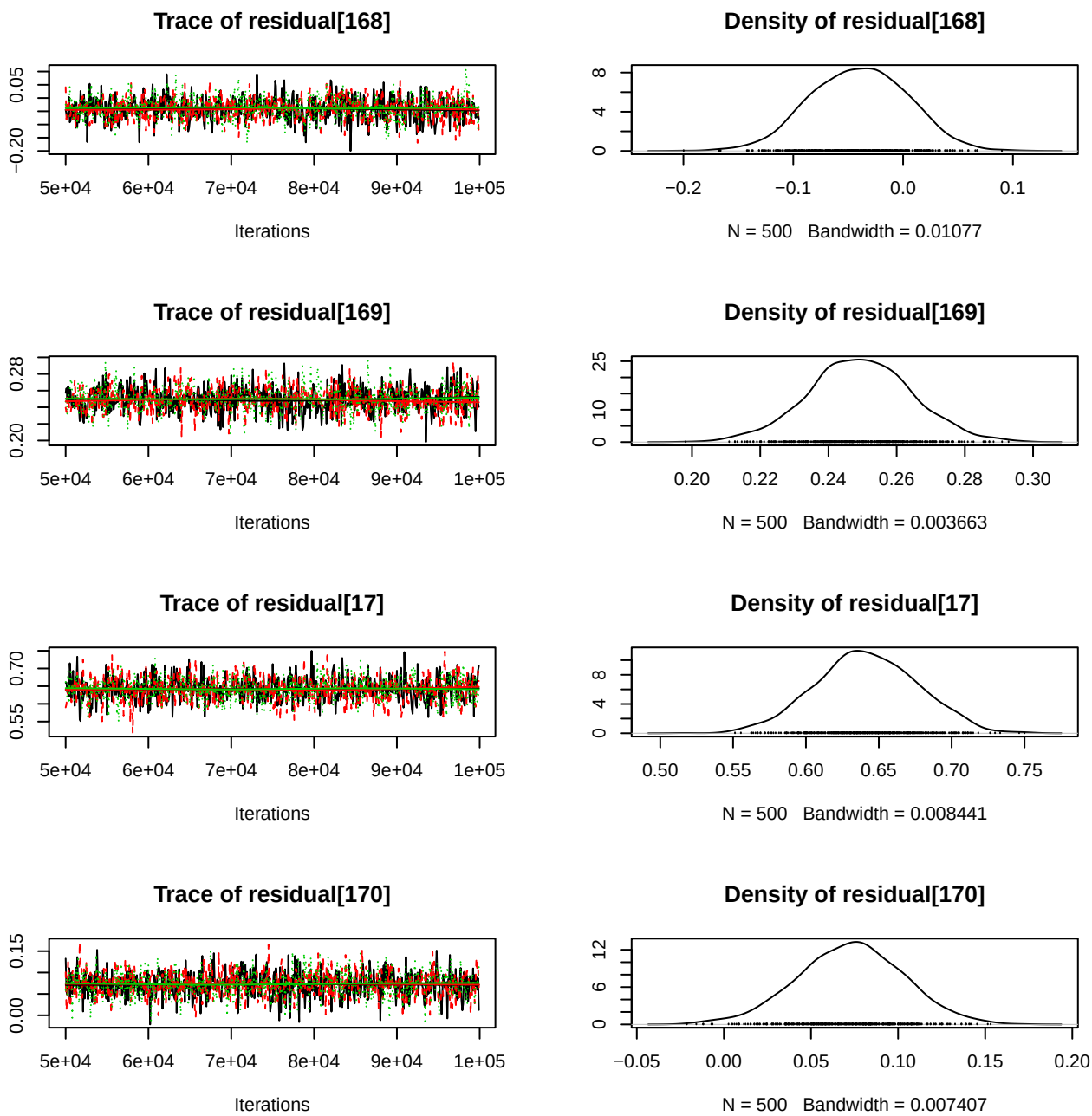

Trace of residual[15]
−0.05
−0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[15]
0
4
8
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.008831
Trace of residual[150]
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[150]
0
5
15
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.006384
Trace of residual[151]
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[151]
0
5
15
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.006472
Trace of residual[152]
0.05
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[152]
0
5
15
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.006541

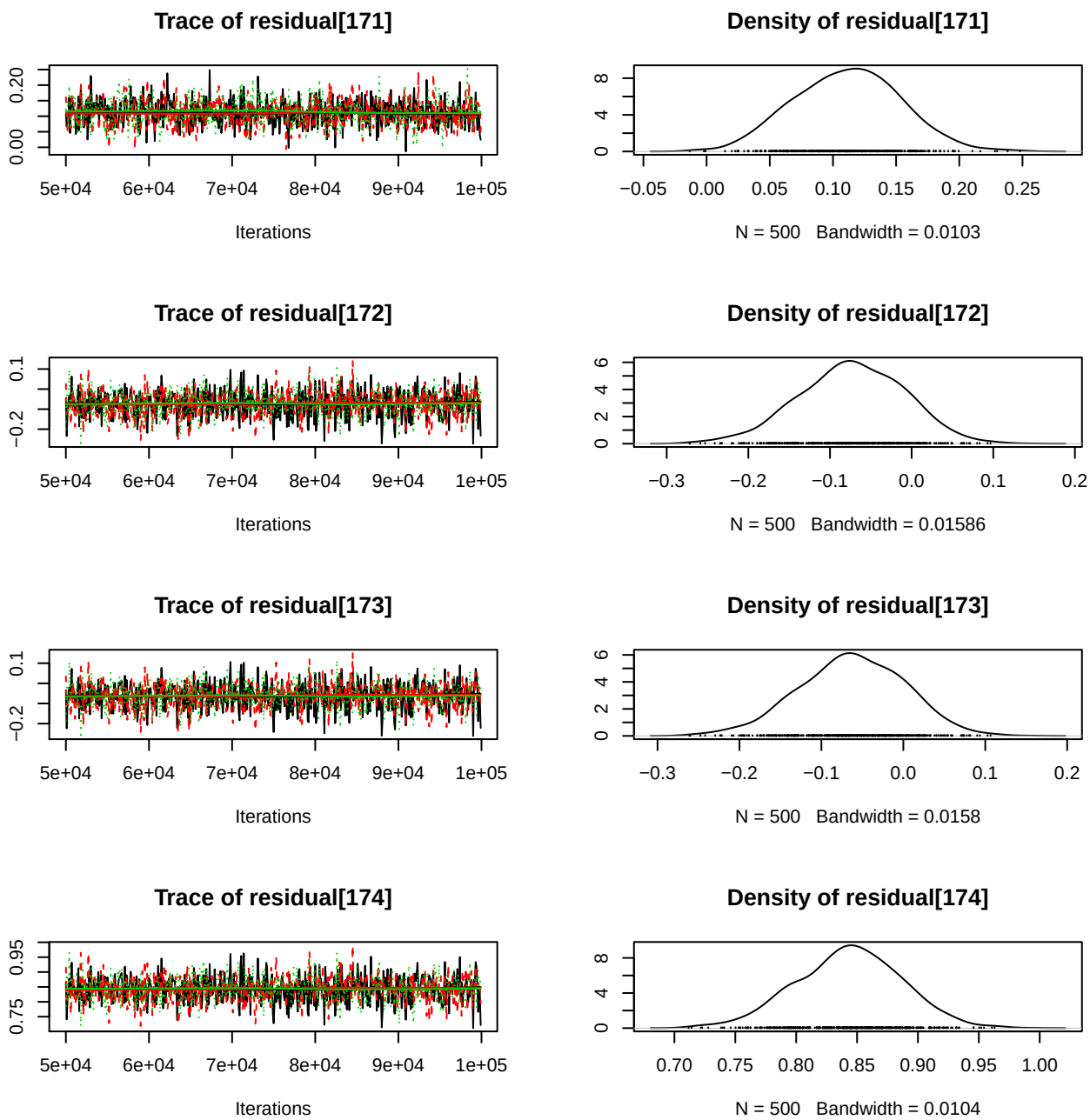

Trace of residual[153]
Iterations
Density of residual[153]
N = 500 Bandwidth = 0.006425
Trace of residual[154]
Iterations
Density of residual[154]
N = 500 Bandwidth = 0.006376
Trace of residual[155]
Iterations
Density of residual[155]
N = 500 Bandwidth = 0.006392
Trace of residual[156]
Iterations
Density of residual[156]
N = 500 Bandwidth = 0.01019

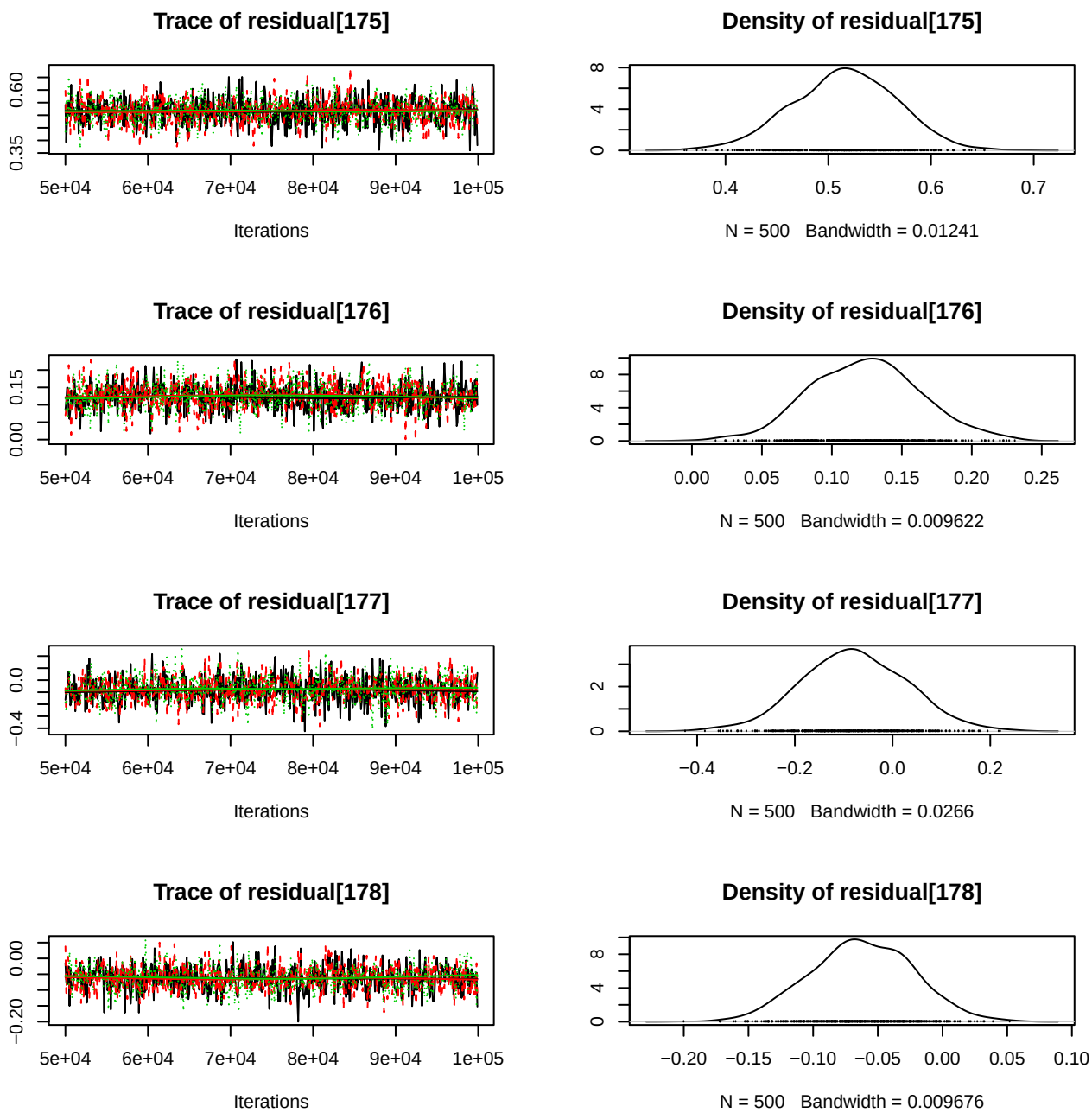

Trace of residual[157]
Iterations
Density of residual[157]
N = 500 Bandwidth = 0.02258
Trace of residual[158]
Iterations
Density of residual[158]
N = 500 Bandwidth = 0.0103
Trace of residual[159]
Iterations
Density of residual[159]
N = 500 Bandwidth = 0.009718
Trace of residual[16]
Iterations
Density of residual[16]
N = 500 Bandwidth = 0.01073

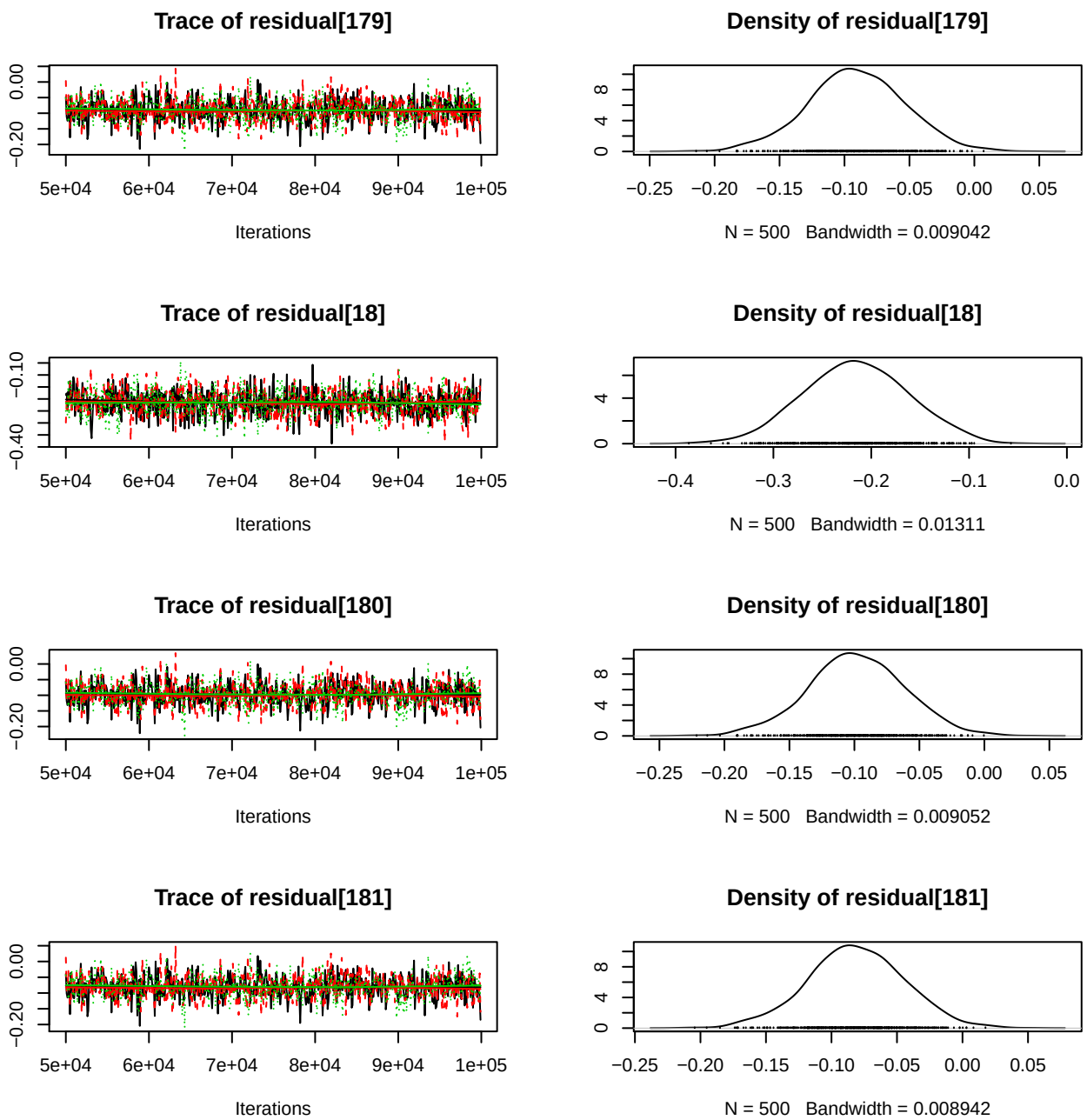

Trace of residual[160]
Iterations
Density of residual[160]
N = 500 Bandwidth = 0.009514
Trace of residual[161]
Iterations
Density of residual[161]
N = 500 Bandwidth = 0.009628
Trace of residual[162]
Iterations
Density of residual[162]
N = 500 Bandwidth = 0.009854
Trace of residual[163]
Iterations
Density of residual[163]
N = 500 Bandwidth = 0.009716

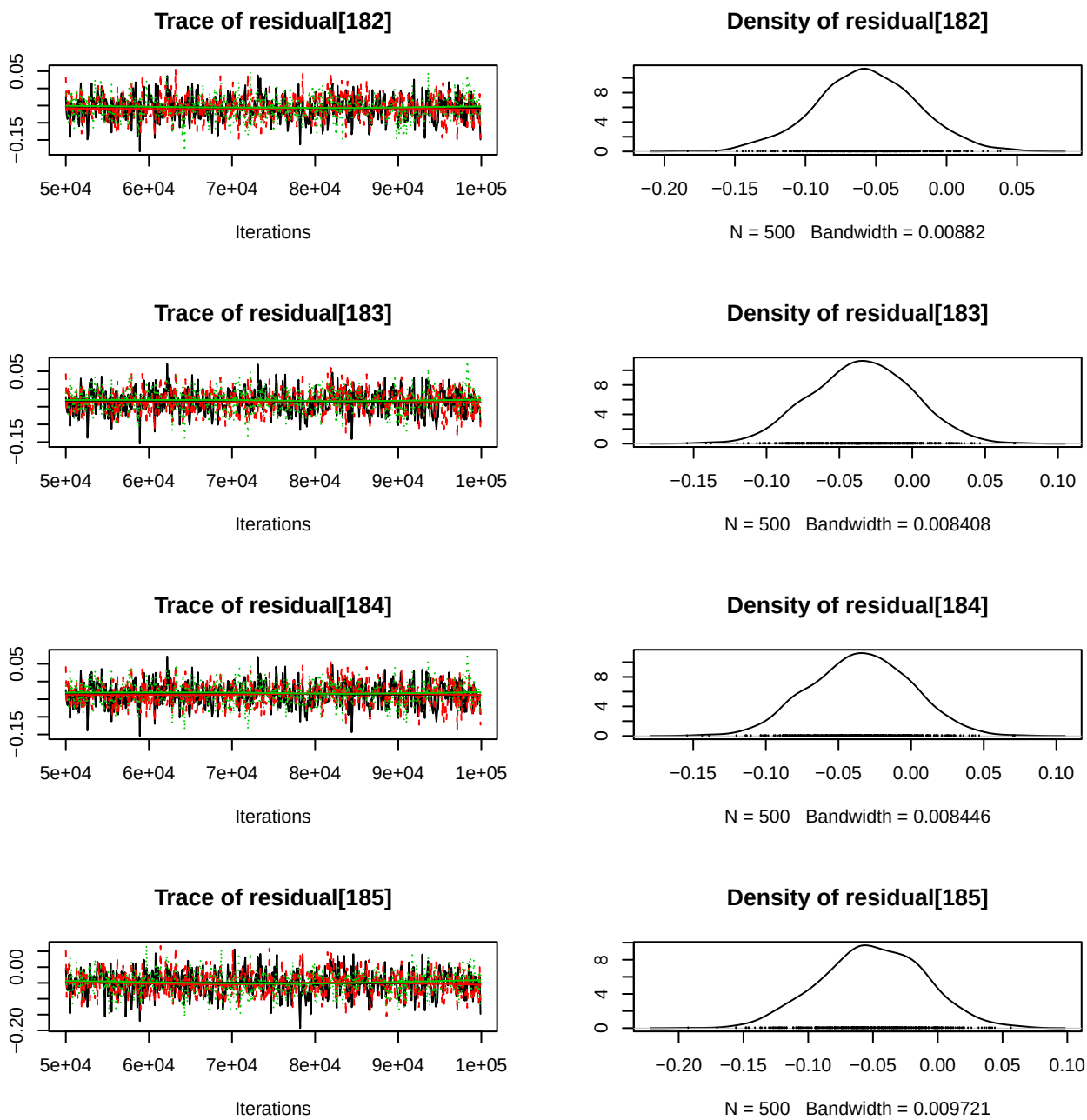

Trace of residual[164]
Iterations
Density of residual[164]
N = 500 Bandwidth = 0.009693
Trace of residual[165]
Iterations
Density of residual[165]
N = 500 Bandwidth = 0.009762
Trace of residual[166]
Iterations
Density of residual[166]
N = 500 Bandwidth = 0.0205
Trace of residual[167]
Iterations
Density of residual[167]
N = 500 Bandwidth = 0.009669

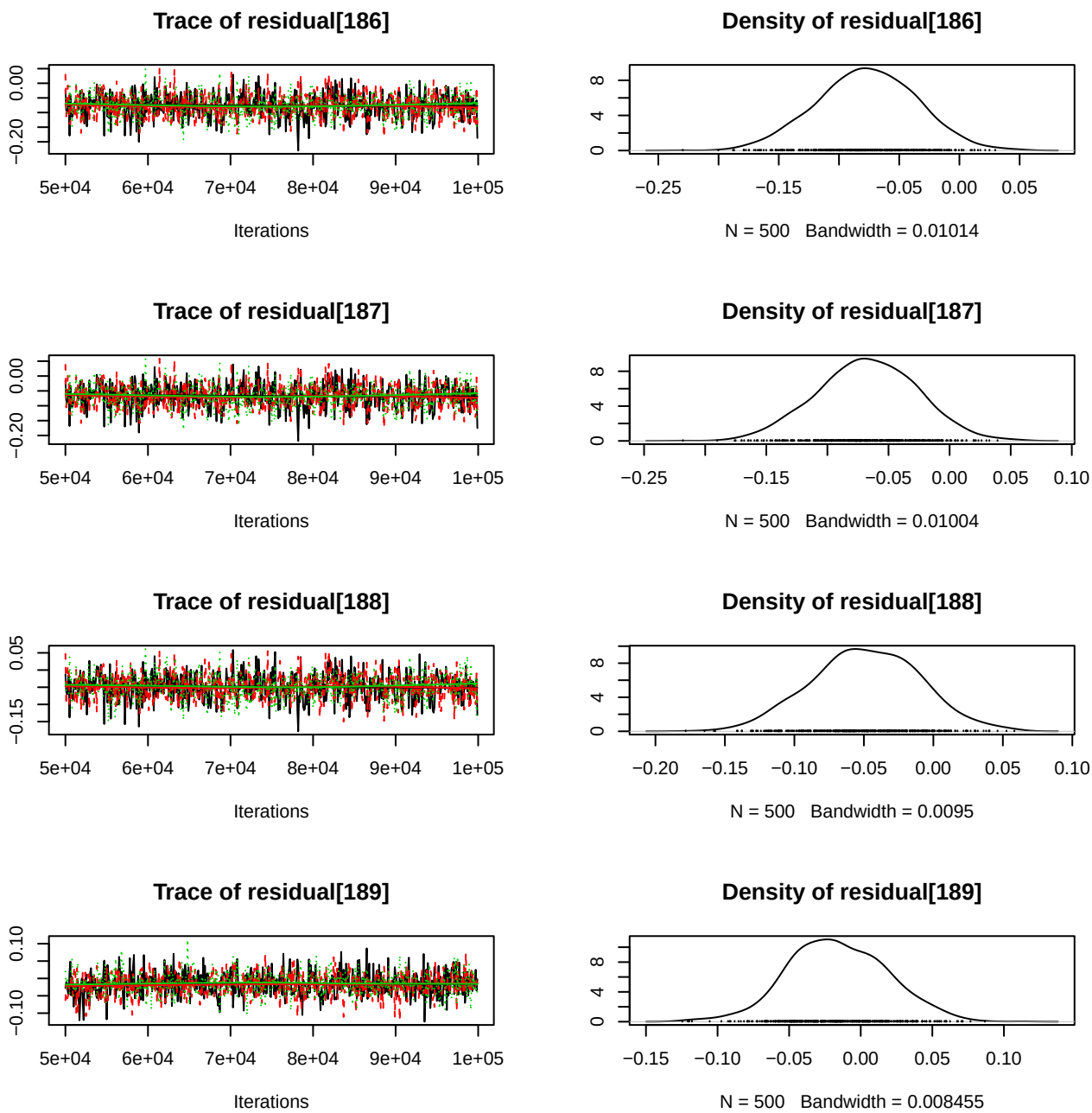

Trace of residual[168]
Iterations
Density of residual[168]
N = 500 Bandwidth = 0.01077
Trace of residual[169]
Iterations
Density of residual[169]
N = 500 Bandwidth = 0.003663
Trace of residual[17]
Iterations
Density of residual[17]
N = 500 Bandwidth = 0.008441
Trace of residual[170]
Iterations
Density of residual[170]
N = 500 Bandwidth = 0.007407

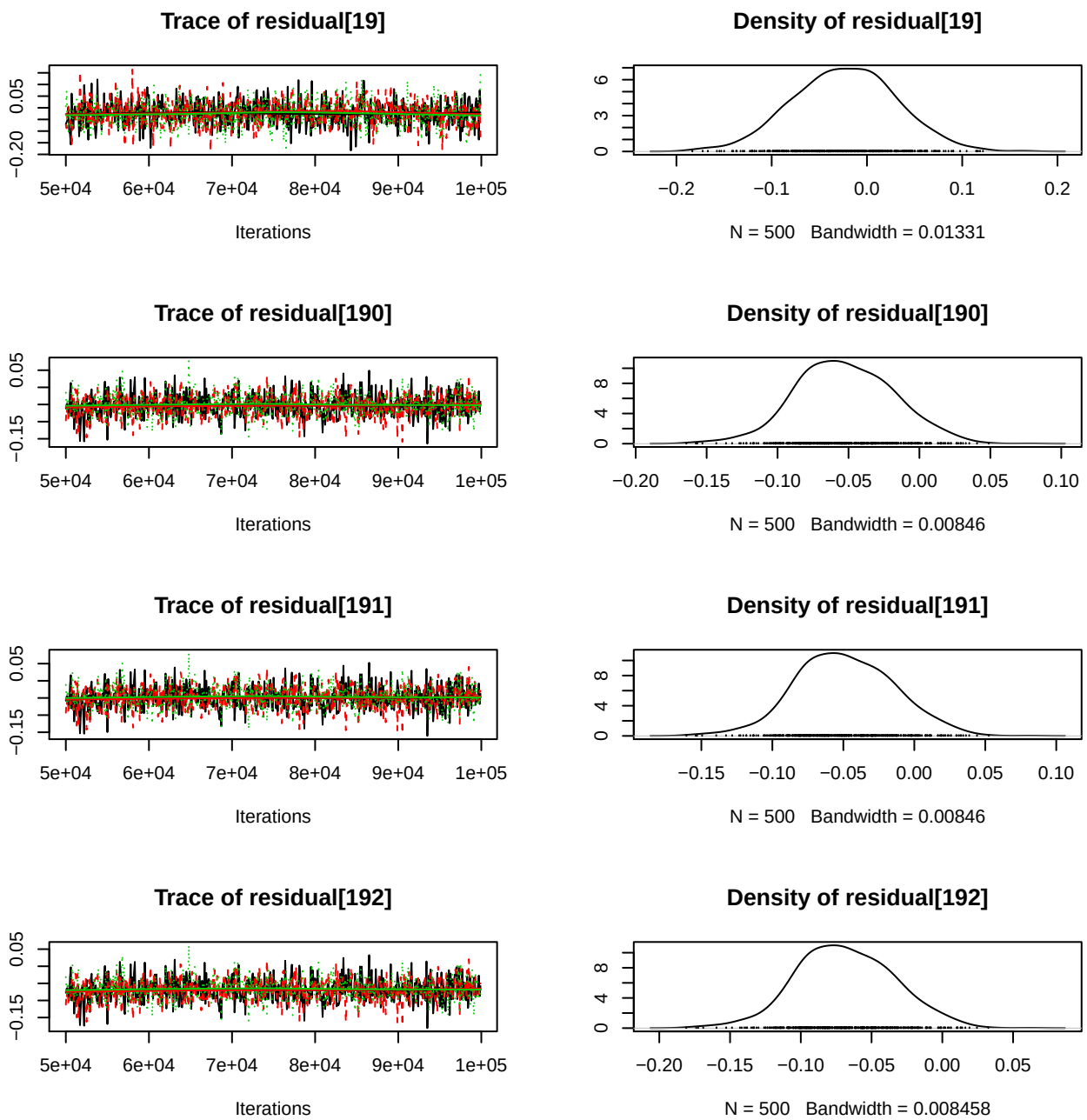

Trace of residual[171]
0.00
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[171]
0
4
8
−0.05
0.00
0.05
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.0103
Trace of residual[172]
−0.2
0.1
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[172]
0
2
4
6
−0.3
−0.2
−0.1
0.0
0.1
0.2
N = 500 Bandwidth = 0.01586
Trace of residual[173]
−0.2
0.1
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[173]
0
2
4
6
−0.3
−0.2
−0.1
0.0
0.1
0.2
N = 500 Bandwidth = 0.0158
Trace of residual[174]
0.75
0.95
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[174]
0
4
8
0.70
0.75
0.80
0.85
0.90
0.95
1.00
N = 500 Bandwidth = 0.0104

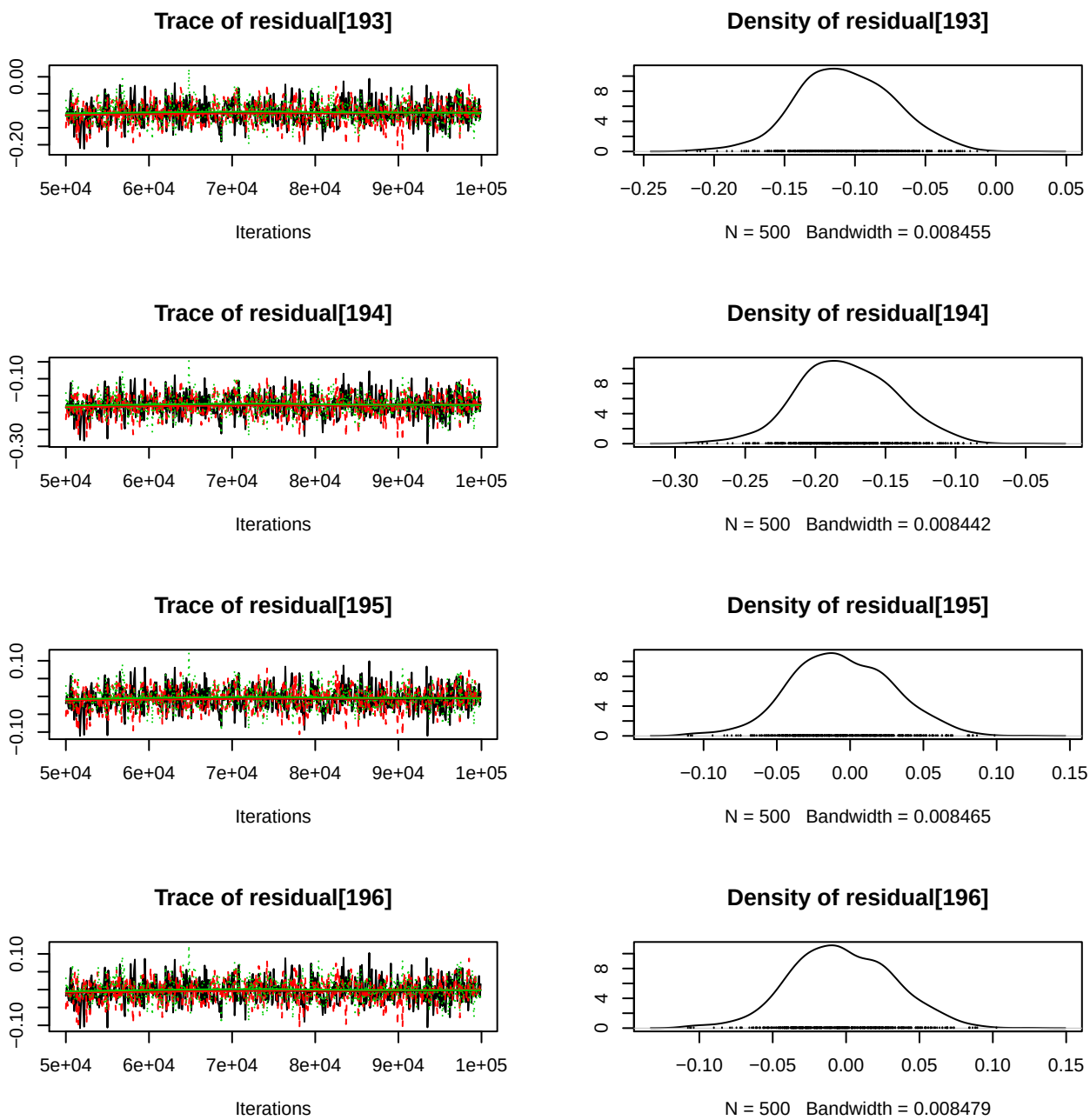

Trace of residual[175]
0.35
0.60
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[175]
0
4
8
0.4
0.5
0.6
0.7
N = 500 Bandwidth = 0.01241
Trace of residual[176]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[176]
0
4
8
0.00
0.05
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.009622
Trace of residual[177]
−0.4
0.0
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[177]
0
2
−0.4
−0.2
0.0
0.2
N = 500 Bandwidth = 0.0266
Trace of residual[178]
−0.20
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[178]
0
4
8
−0.20
−0.15
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.009676

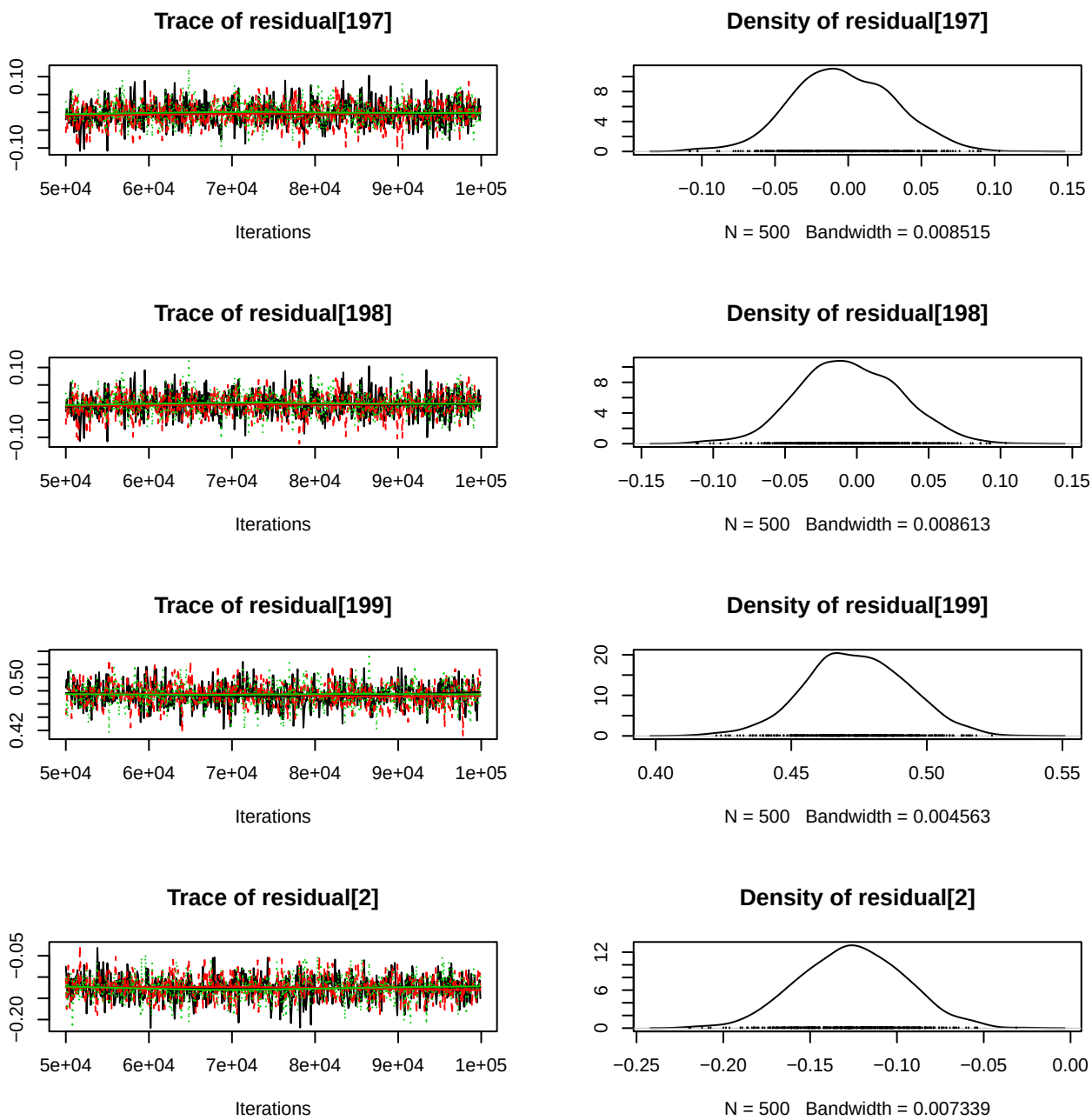

Trace of residual[179]
Iterations
Density of residual[179]
N = 500 Bandwidth = 0.009042
Trace of residual[18]
Iterations
Density of residual[18]
N = 500 Bandwidth = 0.01311
Trace of residual[180]
Iterations
Density of residual[180]
N = 500 Bandwidth = 0.009052
Trace of residual[181]
Iterations
Density of residual[181]
N = 500 Bandwidth = 0.008942

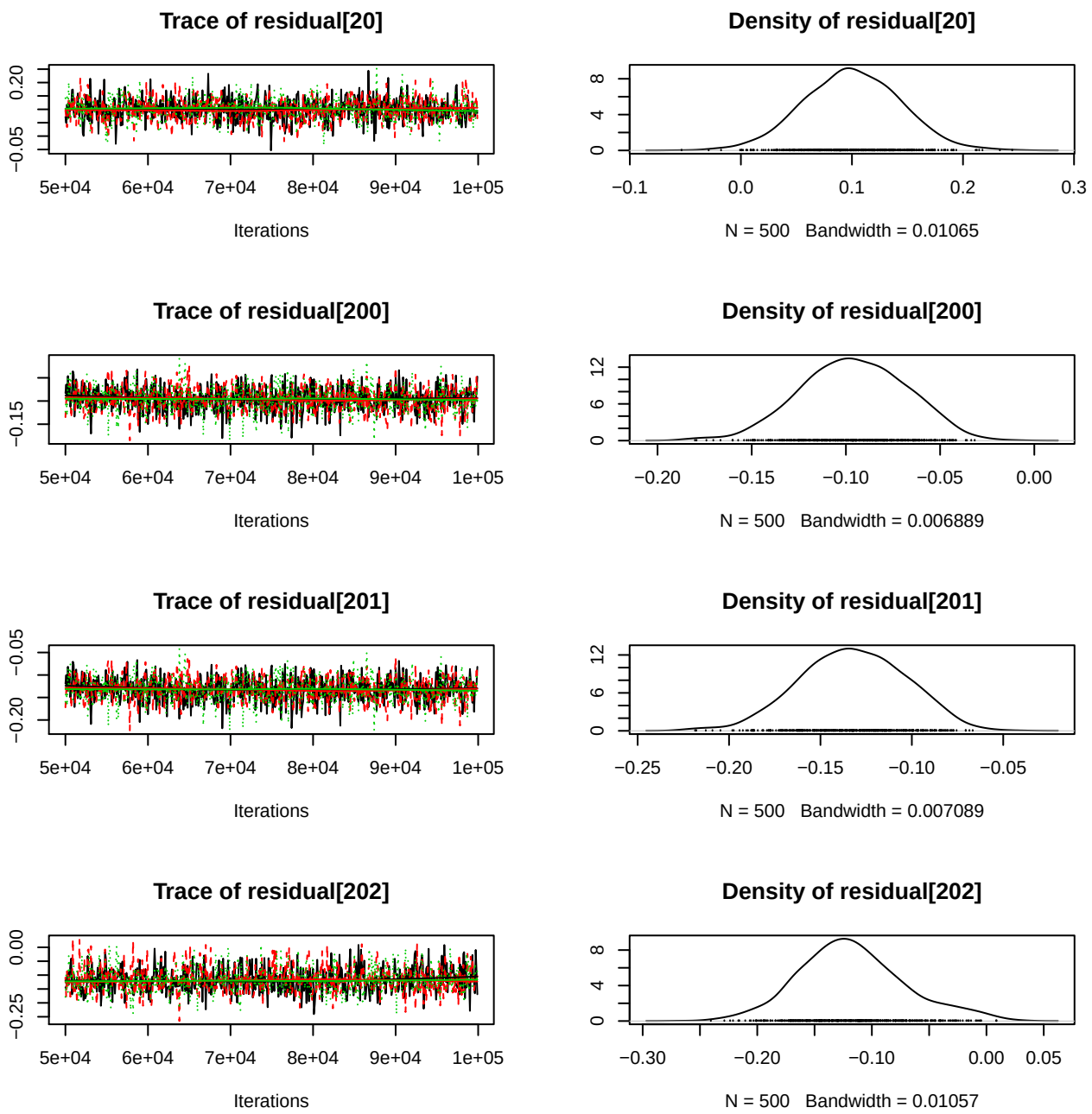

Trace of residual[182]
Iterations
Density of residual[182]
N = 500 Bandwidth = 0.00882
Trace of residual[183]
Iterations
Density of residual[183]
N = 500 Bandwidth = 0.008408
Trace of residual[184]
Iterations
Density of residual[184]
N = 500 Bandwidth = 0.008446
Trace of residual[185]
Iterations
Density of residual[185]
N = 500 Bandwidth = 0.009721

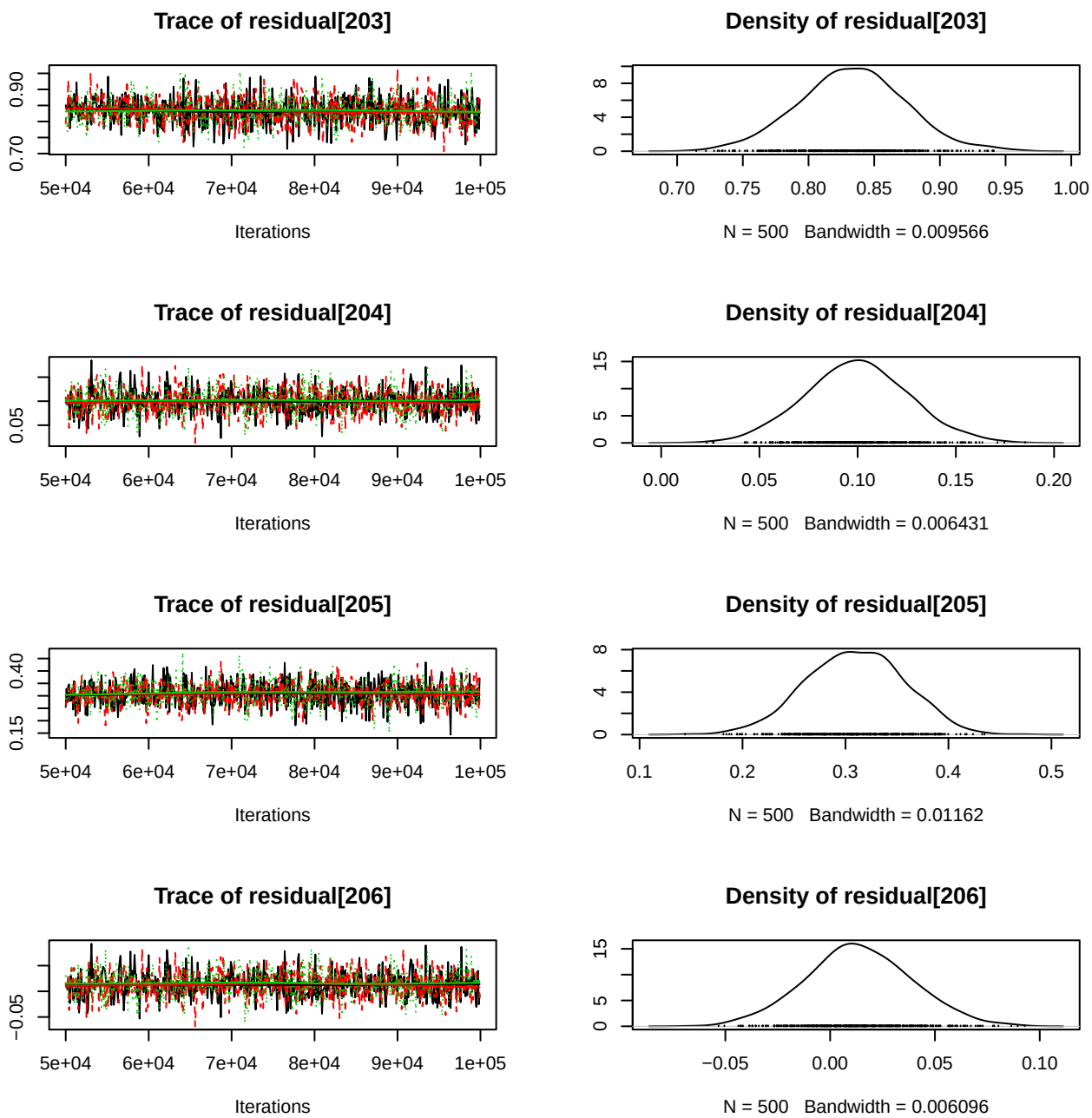

Trace of residual[186]
Iterations
Density of residual[186]
N = 500 Bandwidth = 0.01014
Trace of residual[187]
Iterations
Density of residual[187]
N = 500 Bandwidth = 0.01004
Trace of residual[188]
Iterations
Density of residual[188]
N = 500 Bandwidth = 0.0095
Trace of residual[189]
Iterations
Density of residual[189]
N = 500 Bandwidth = 0.008455

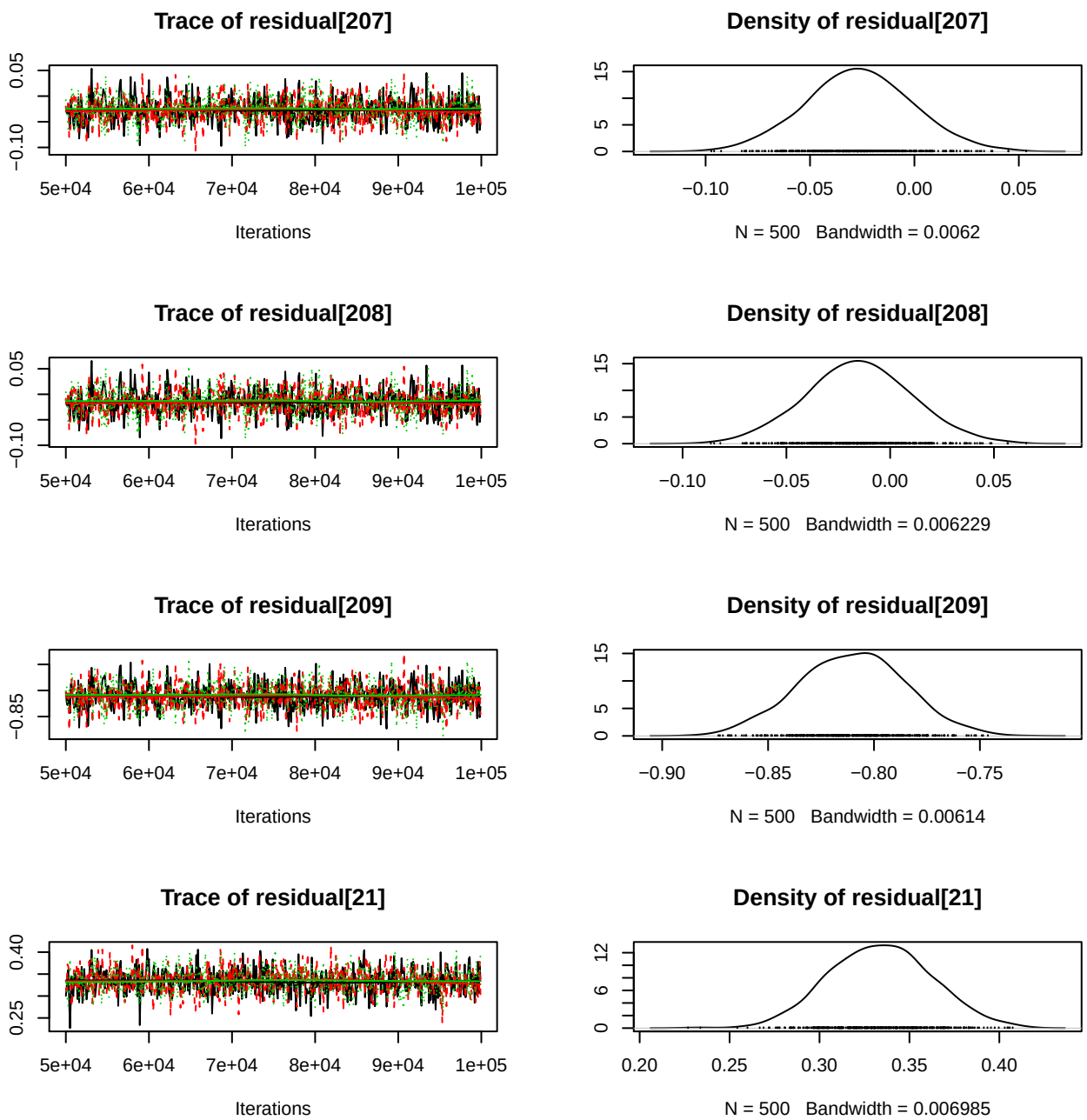

Trace of residual[19]
Iterations
Density of residual[19]
N = 500 Bandwidth = 0.01331
Trace of residual[190]
Iterations
Density of residual[190]
N = 500 Bandwidth = 0.00846
Trace of residual[191]
Iterations
Density of residual[191]
N = 500 Bandwidth = 0.00846
Trace of residual[192]
Iterations
Density of residual[192]
N = 500 Bandwidth = 0.008458

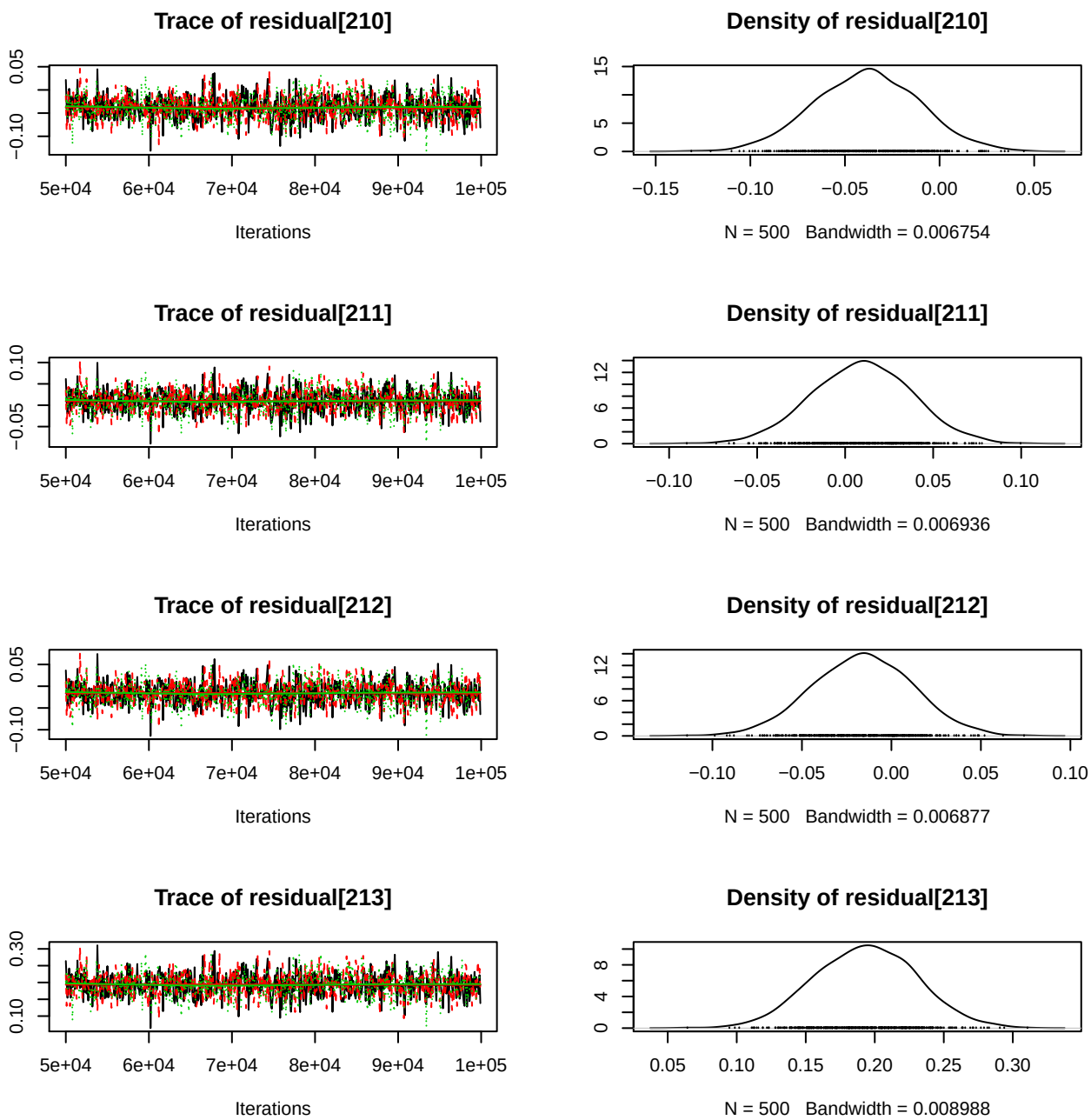

Trace of residual[193]
Iterations
Density of residual[193]
N = 500 Bandwidth = 0.008455
Trace of residual[194]
Iterations
Density of residual[194]
N = 500 Bandwidth = 0.008442
Trace of residual[195]
Iterations
Density of residual[195]
N = 500 Bandwidth = 0.008465
Trace of residual[196]
Iterations
Density of residual[196]
N = 500 Bandwidth = 0.008479

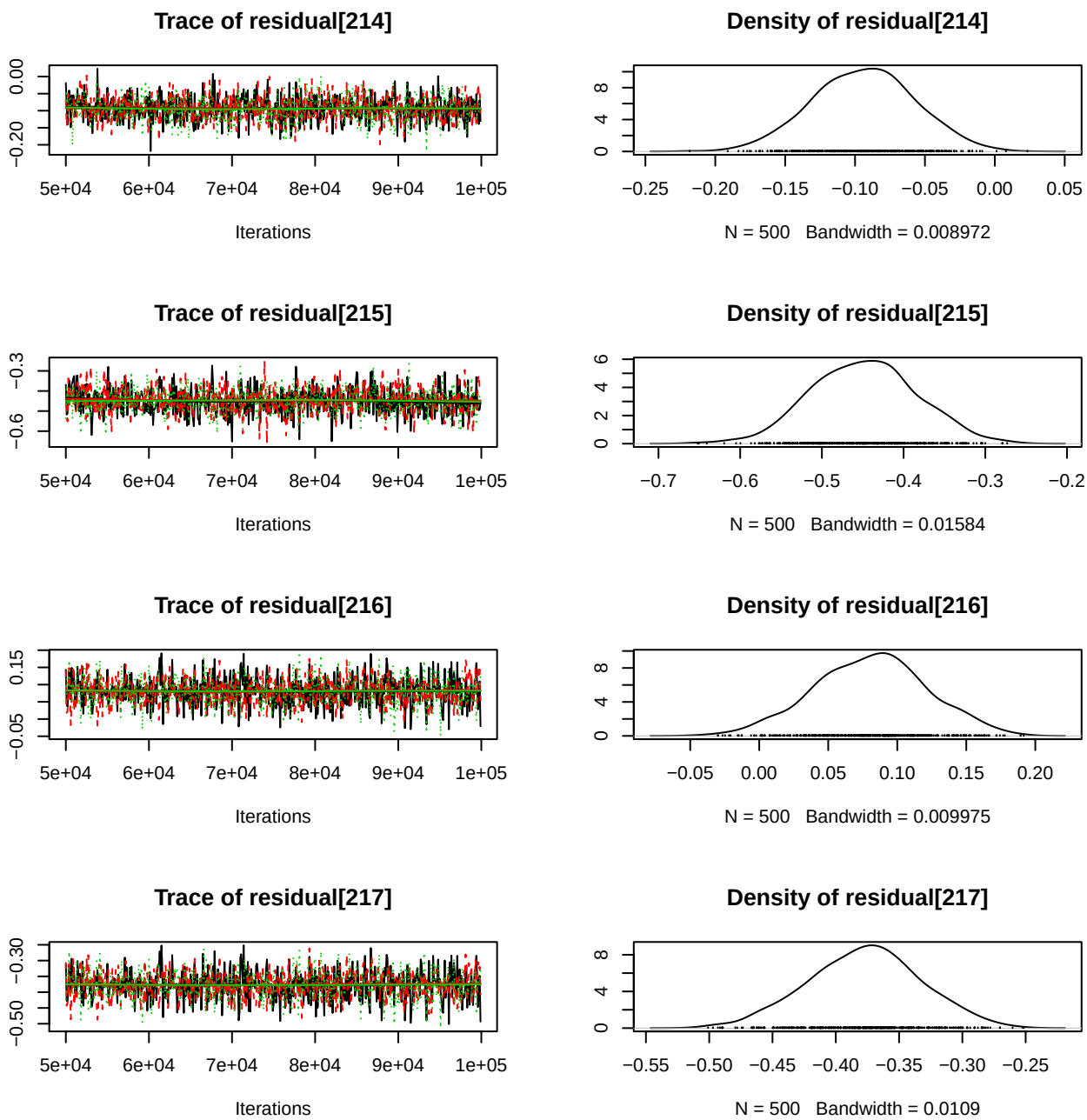

Trace of residual[197]
Iterations
Density of residual[197]
N = 500 Bandwidth = 0.008515
Trace of residual[198]
Iterations
Density of residual[198]
N = 500 Bandwidth = 0.008613
Trace of residual[199]
Iterations
Density of residual[199]
N = 500 Bandwidth = 0.004563
Trace of residual[2]
Iterations
Density of residual[2]
N = 500 Bandwidth = 0.007339

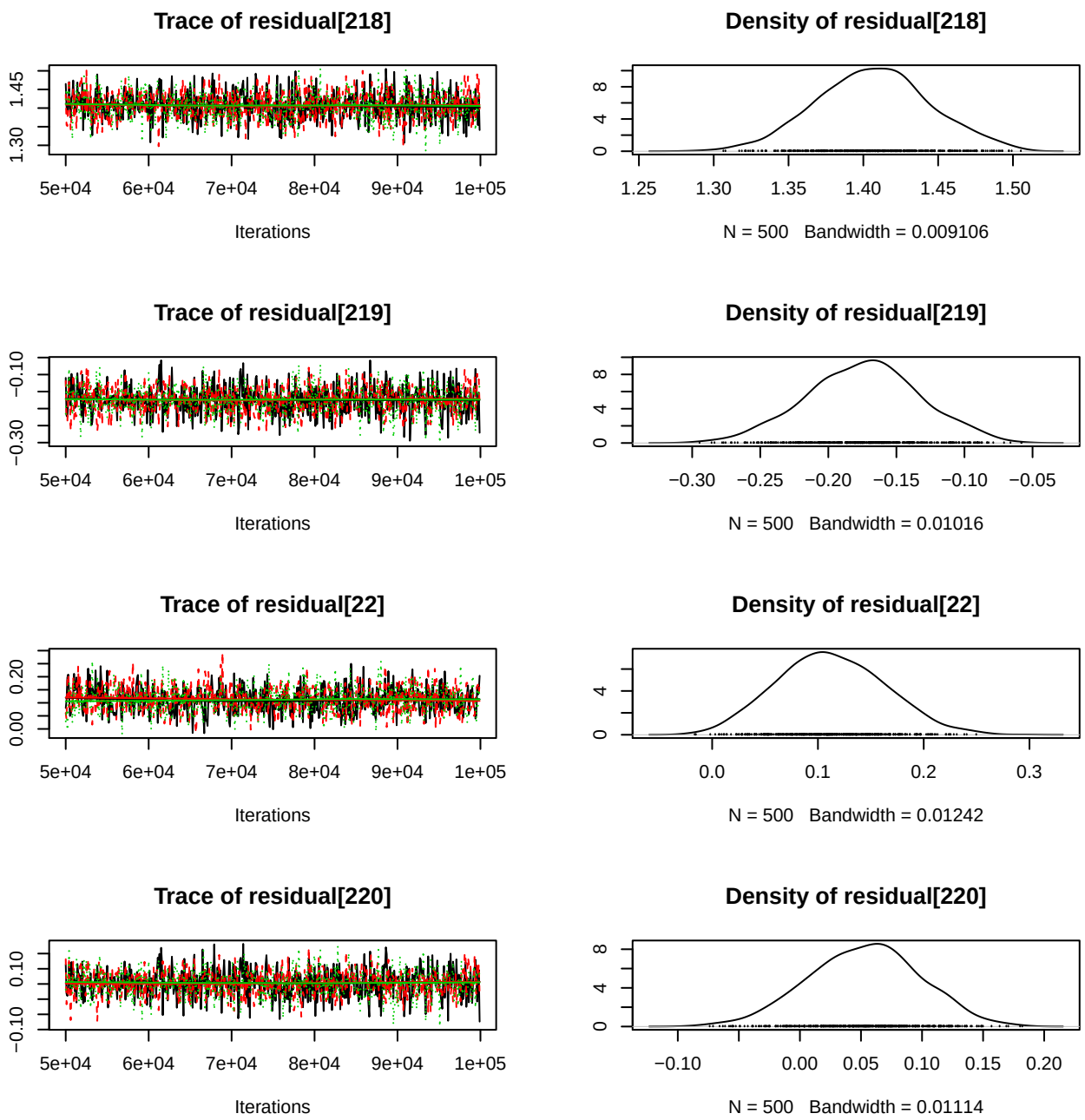

Trace of residual[20]
Iterations
Density of residual[20]
N = 500 Bandwidth = 0.01065
Trace of residual[200]
Iterations
Density of residual[200]
N = 500 Bandwidth = 0.006889
Trace of residual[201]
Iterations
Density of residual[201]
N = 500 Bandwidth = 0.007089
Trace of residual[202]
Iterations
Density of residual[202]
N = 500 Bandwidth = 0.01057

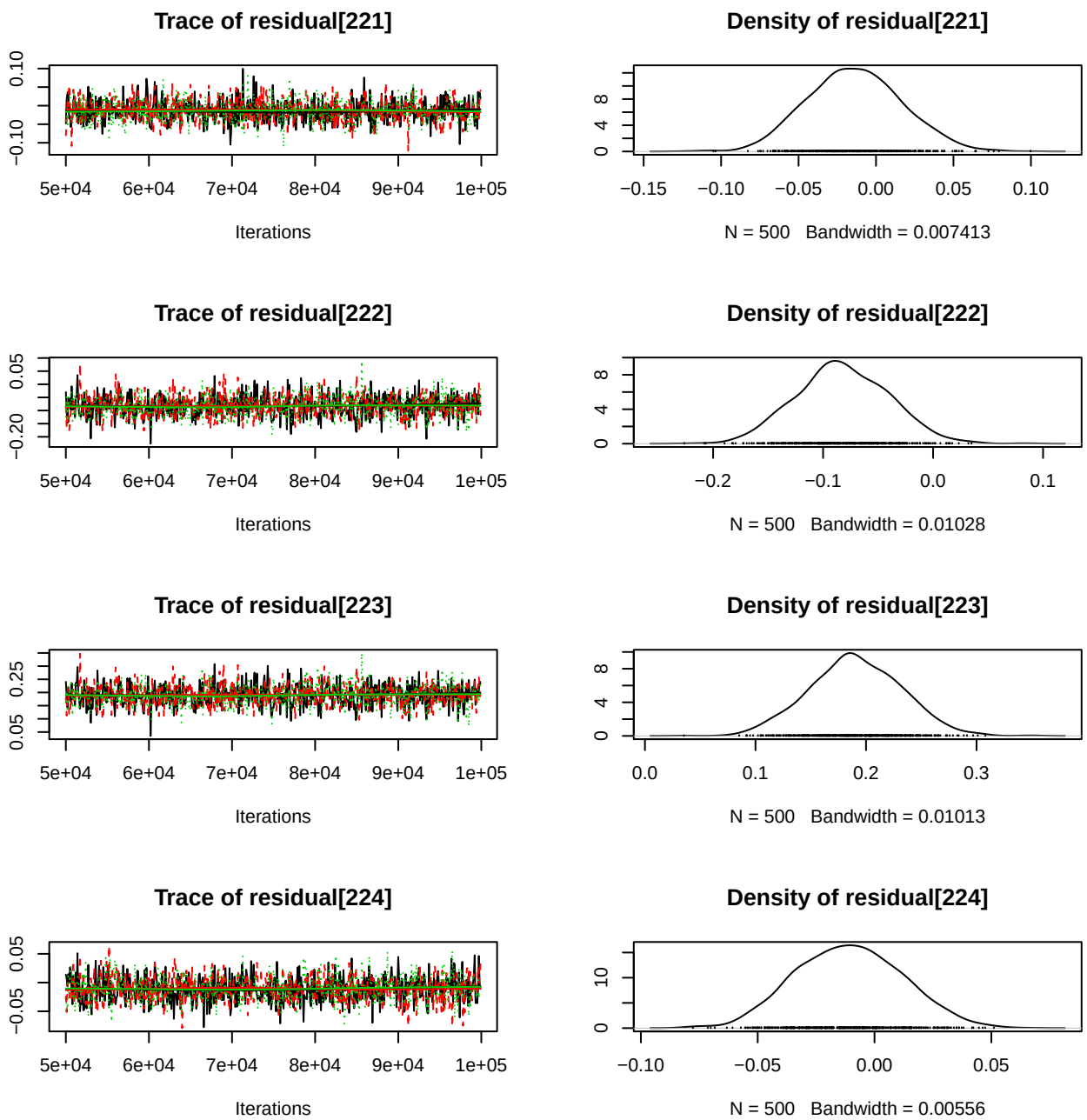

Trace of residual[203]
0.70
0.90
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[203]
0
4
8
0.70
0.75
0.80
0.85
0.90
0.95
1.00
N = 500 Bandwidth = 0.009566
Trace of residual[204]
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[204]
0
5
15
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.006431
Trace of residual[205]
0.15
0.40
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[205]
0
4
8
0.1
0.2
0.3
0.4
0.5
N = 500 Bandwidth = 0.01162
Trace of residual[206]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[206]
0
5
15
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.006096

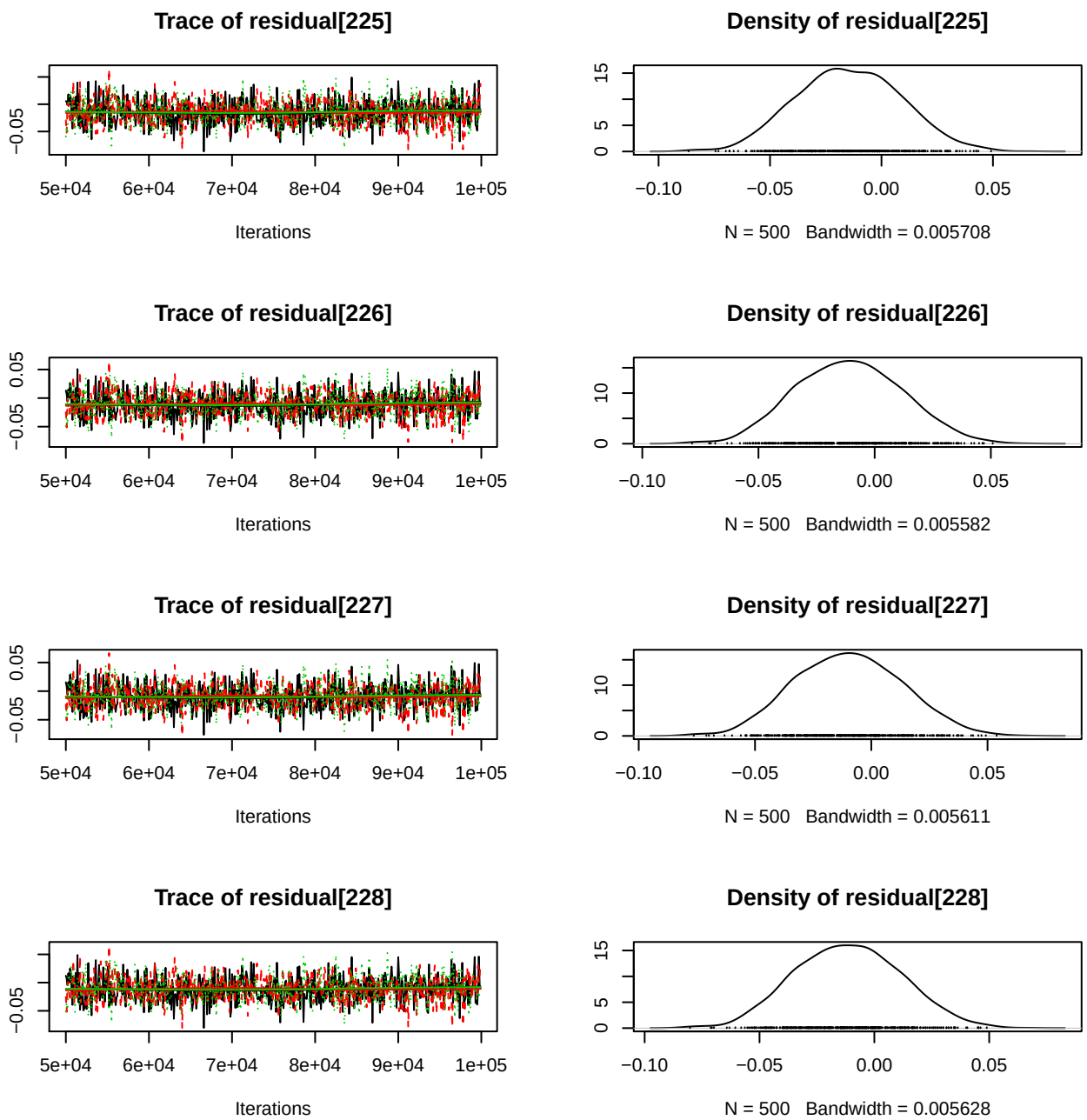

Trace of residual[207]
Iterations
Density of residual[207]
N = 500 Bandwidth = 0.0062
Trace of residual[208]
Iterations
Density of residual[208]
N = 500 Bandwidth = 0.006229
Trace of residual[209]
Iterations
Density of residual[209]
N = 500 Bandwidth = 0.00614
Trace of residual[21]
Iterations
Density of residual[21]
N = 500 Bandwidth = 0.006985

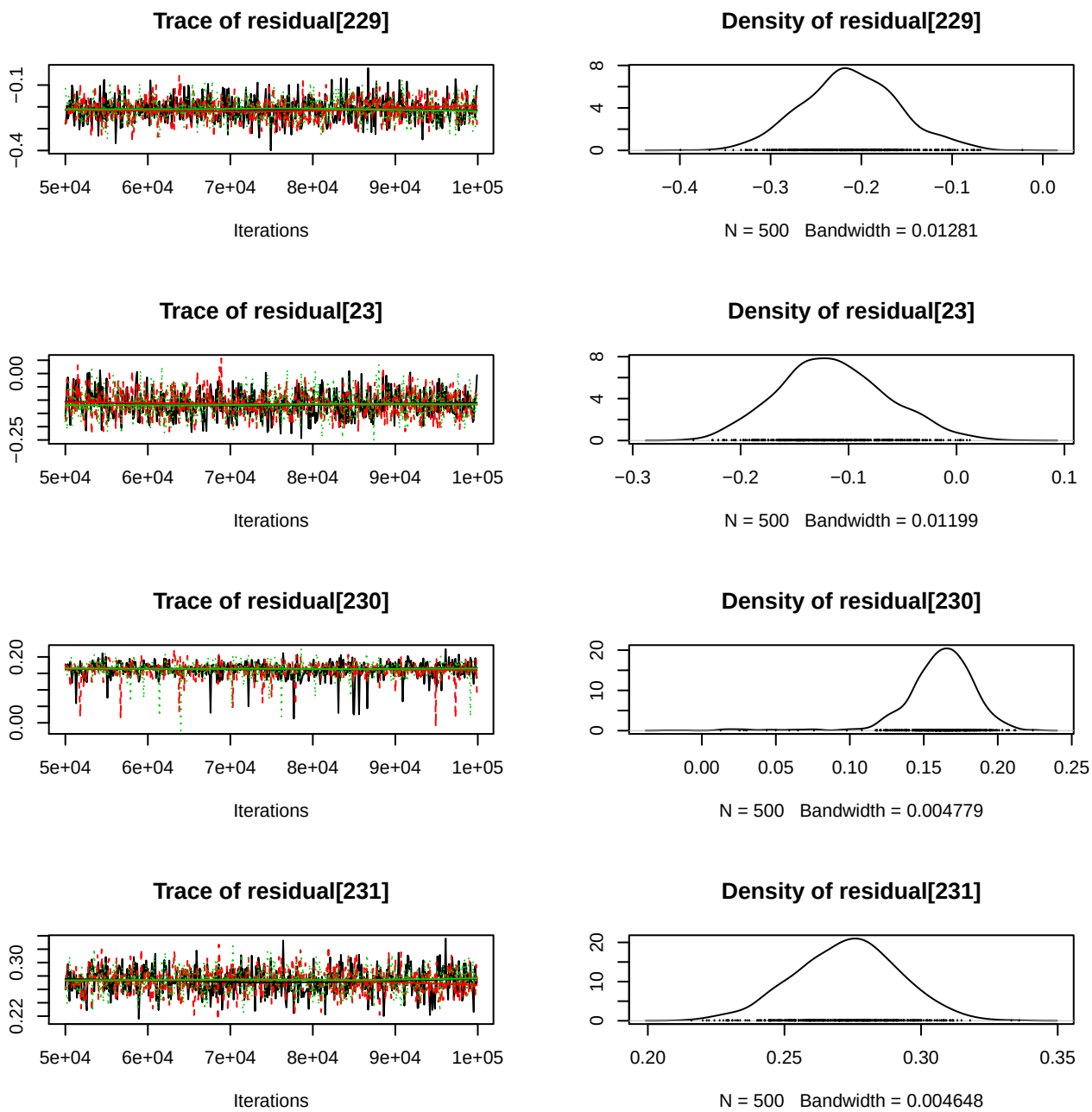

Trace of residual[210]
Iterations
Density of residual[210]
N = 500 Bandwidth = 0.006754
Trace of residual[211]
Iterations
Density of residual[211]
N = 500 Bandwidth = 0.006936
Trace of residual[212]
Iterations
Density of residual[212]
N = 500 Bandwidth = 0.006877
Trace of residual[213]
Iterations
Density of residual[213]
N = 500 Bandwidth = 0.008988

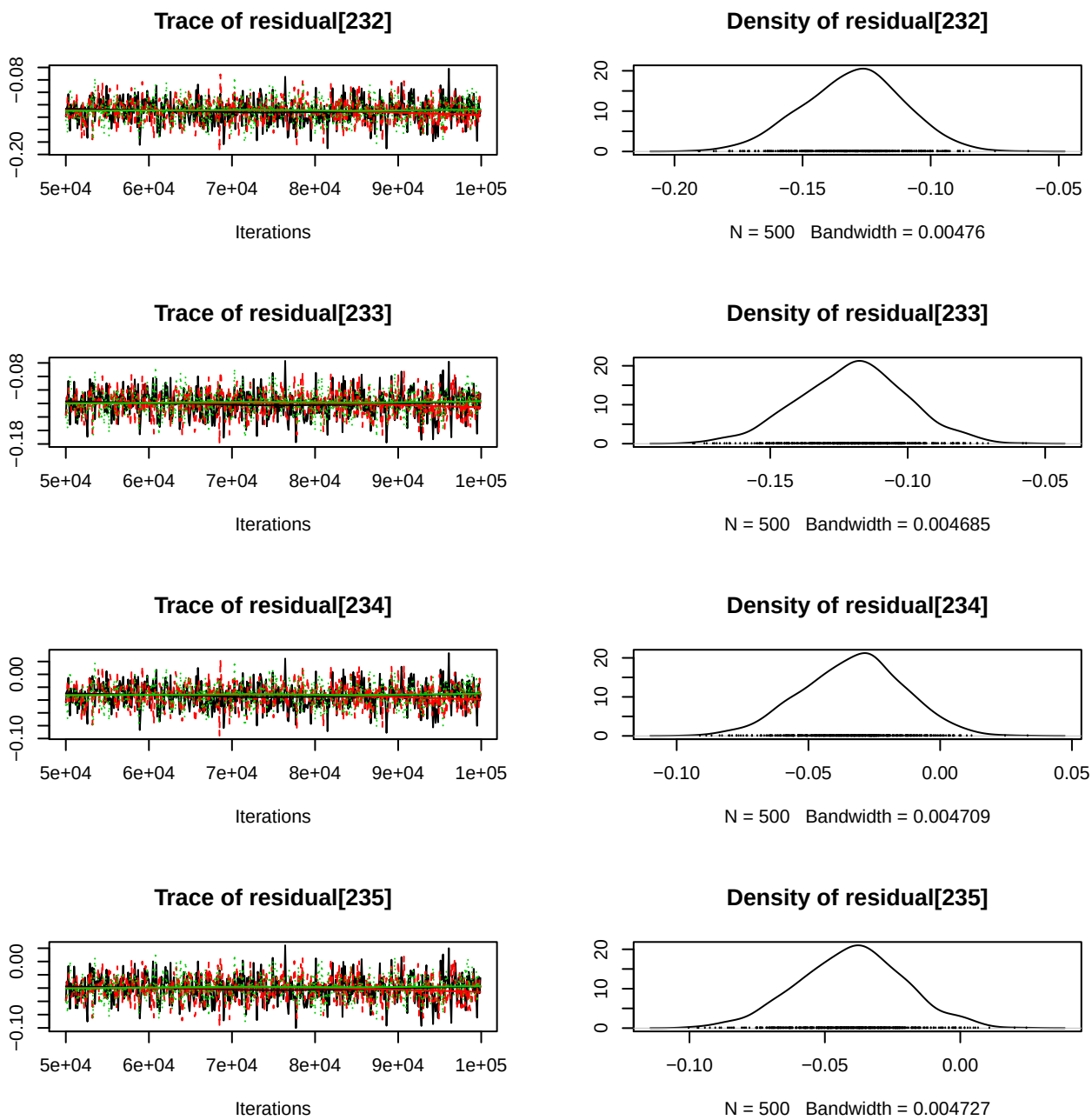

Trace of residual[214]
Iterations
Density of residual[214]
N = 500 Bandwidth = 0.008972
Trace of residual[215]
Iterations
Density of residual[215]
N = 500 Bandwidth = 0.01584
Trace of residual[216]
Iterations
Density of residual[216]
N = 500 Bandwidth = 0.009975
Trace of residual[217]
Iterations
Density of residual[217]
N = 500 Bandwidth = 0.0109

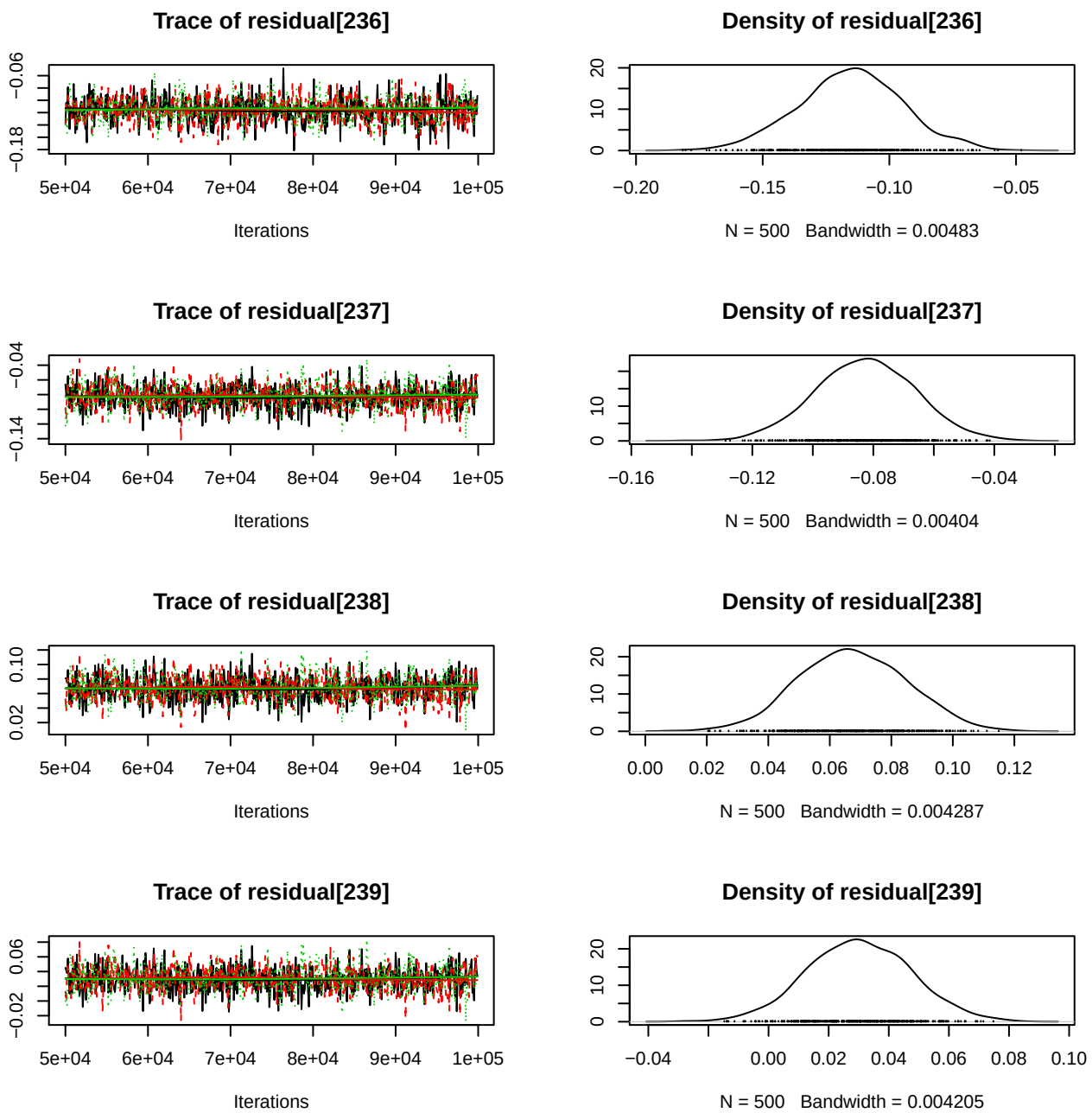

Trace of residual[218]
1.30
1.45
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[218]
0
4
8
1.25
1.30
1.35
1.40
1.45
1.50
N = 500 Bandwidth = 0.009106
Trace of residual[219]
−0.30
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[219]
0
4
8
−0.30
−0.25
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.01016
Trace of residual[22]
0.00
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[22]
0
4
0.0
0.1
0.2
0.3
N = 500 Bandwidth = 0.01242
Trace of residual[220]
−0.10
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[220]
0
4
8
−0.10
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.01114

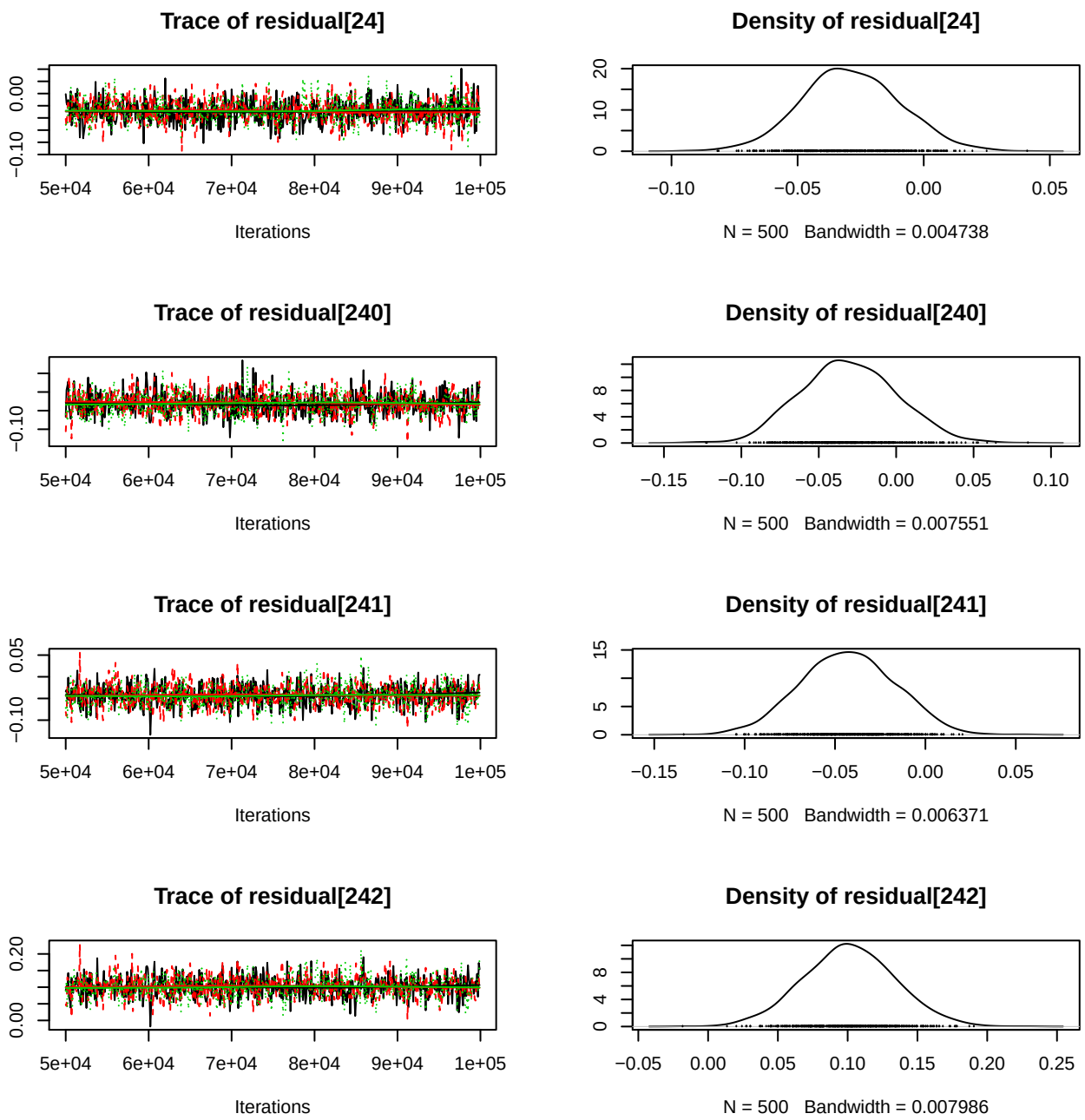

Trace of residual[221]
Iterations
Density of residual[221]
N = 500 Bandwidth = 0.007413
Trace of residual[222]
Iterations
Density of residual[222]
N = 500 Bandwidth = 0.01028
Trace of residual[223]
Iterations
Density of residual[223]
N = 500 Bandwidth = 0.01013
Trace of residual[224]
Iterations
Density of residual[224]
N = 500 Bandwidth = 0.00556

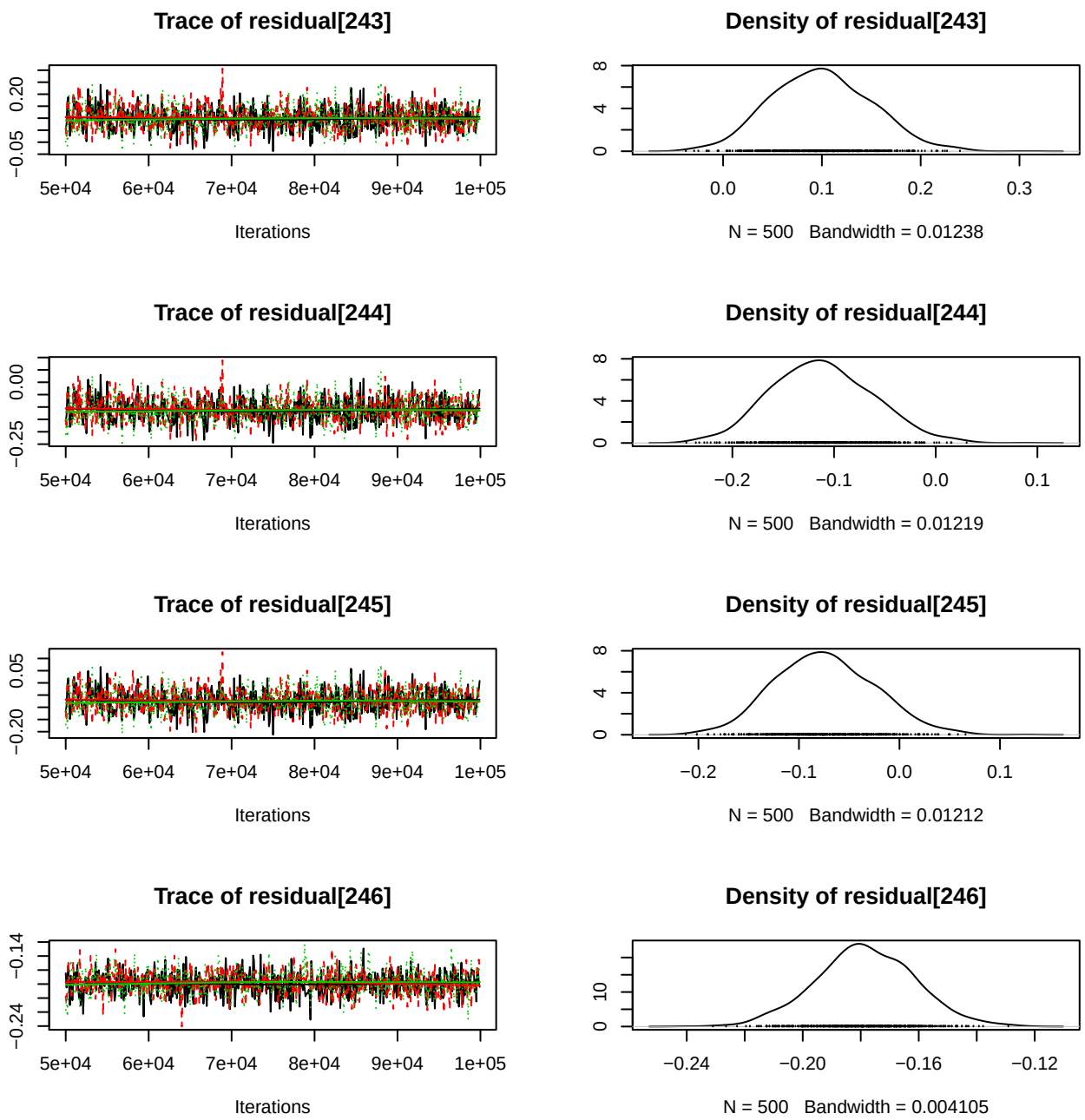

Trace of residual[225]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[225]
0
5
15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005708
Trace of residual[226]
0.05
−0.05
Iterations
Density of residual[226]
0
10
N = 500 Bandwidth = 0.005582
Trace of residual[227]
0.05
−0.05
Iterations
Density of residual[227]
0
10
N = 500 Bandwidth = 0.005611
Trace of residual[228]
−0.05
Iterations
Density of residual[228]
0
5
15
N = 500 Bandwidth = 0.005628

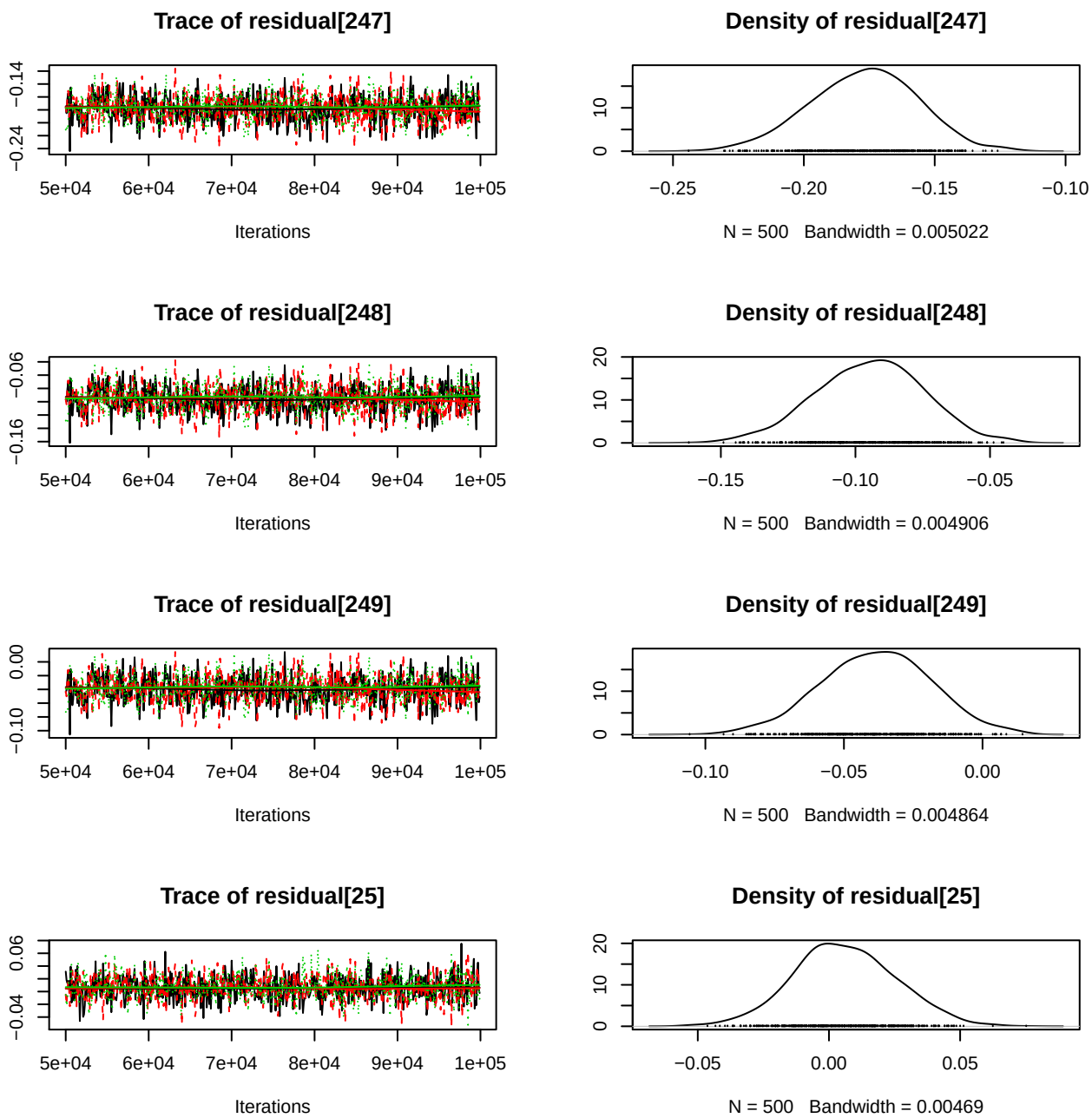

Trace of residual[229]
−0.4
−0.1
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[229]
0
4
8
−0.4
−0.3
−0.2
−0.1
0.0
N = 500 Bandwidth = 0.01281
Trace of residual[23]
−0.25
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[23]
0
4
8
−0.3
−0.2
−0.1
0.0
0.1
N = 500 Bandwidth = 0.01199
Trace of residual[230]
0.00
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[230]
0
10
20
0.00
0.05
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.004779
Trace of residual[231]
0.22
0.30
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[231]
0
10
20
0.20
0.25
0.30
0.35
N = 500 Bandwidth = 0.004648

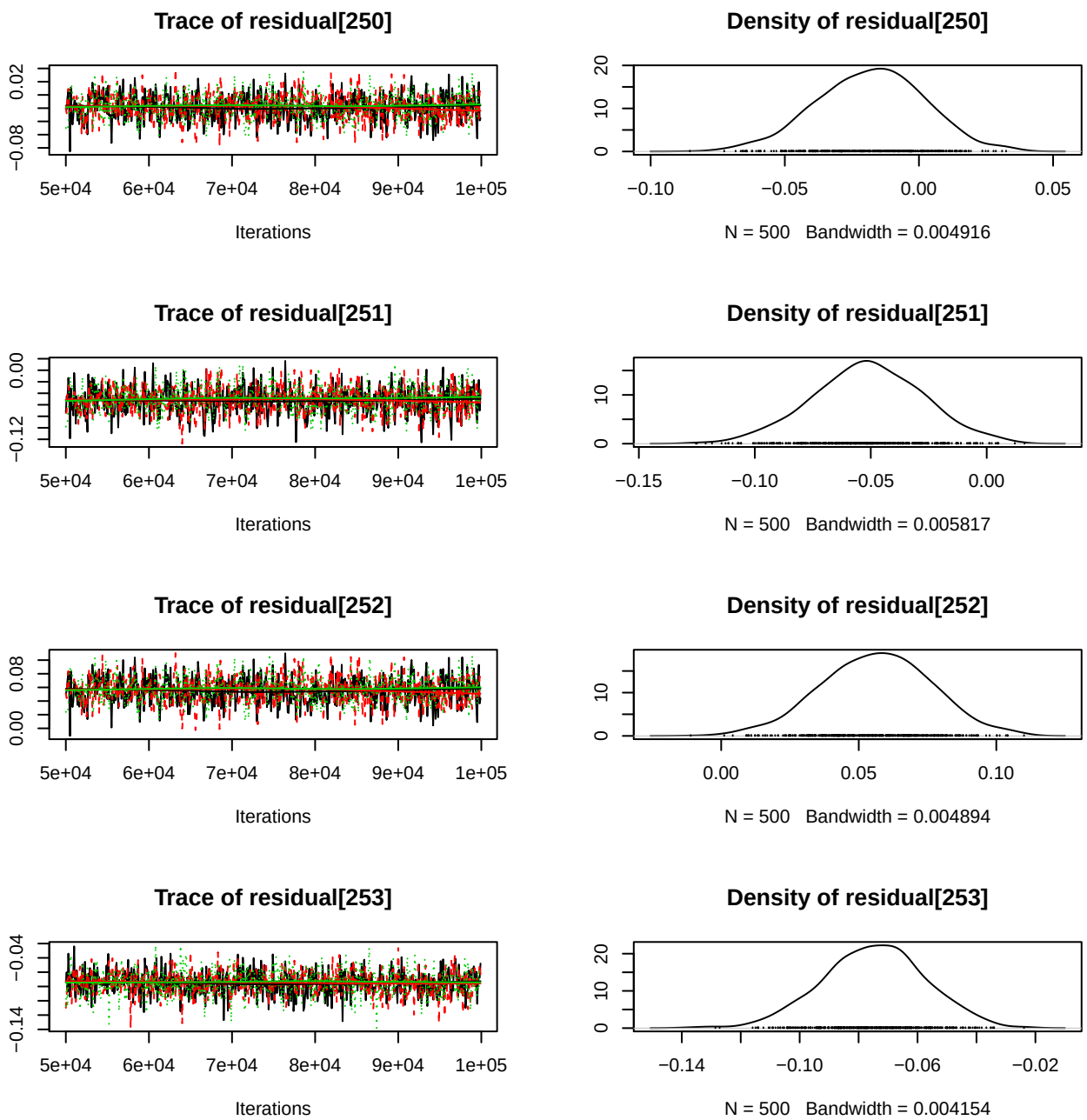

Trace of residual[232]
−0.20
−0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[232]
0
10
20
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.00476
Trace of residual[233]
−0.18
−0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[233]
0
10
20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.004685
Trace of residual[234]
−0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[234]
0
10
20
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004709
Trace of residual[235]
−0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[235]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004727

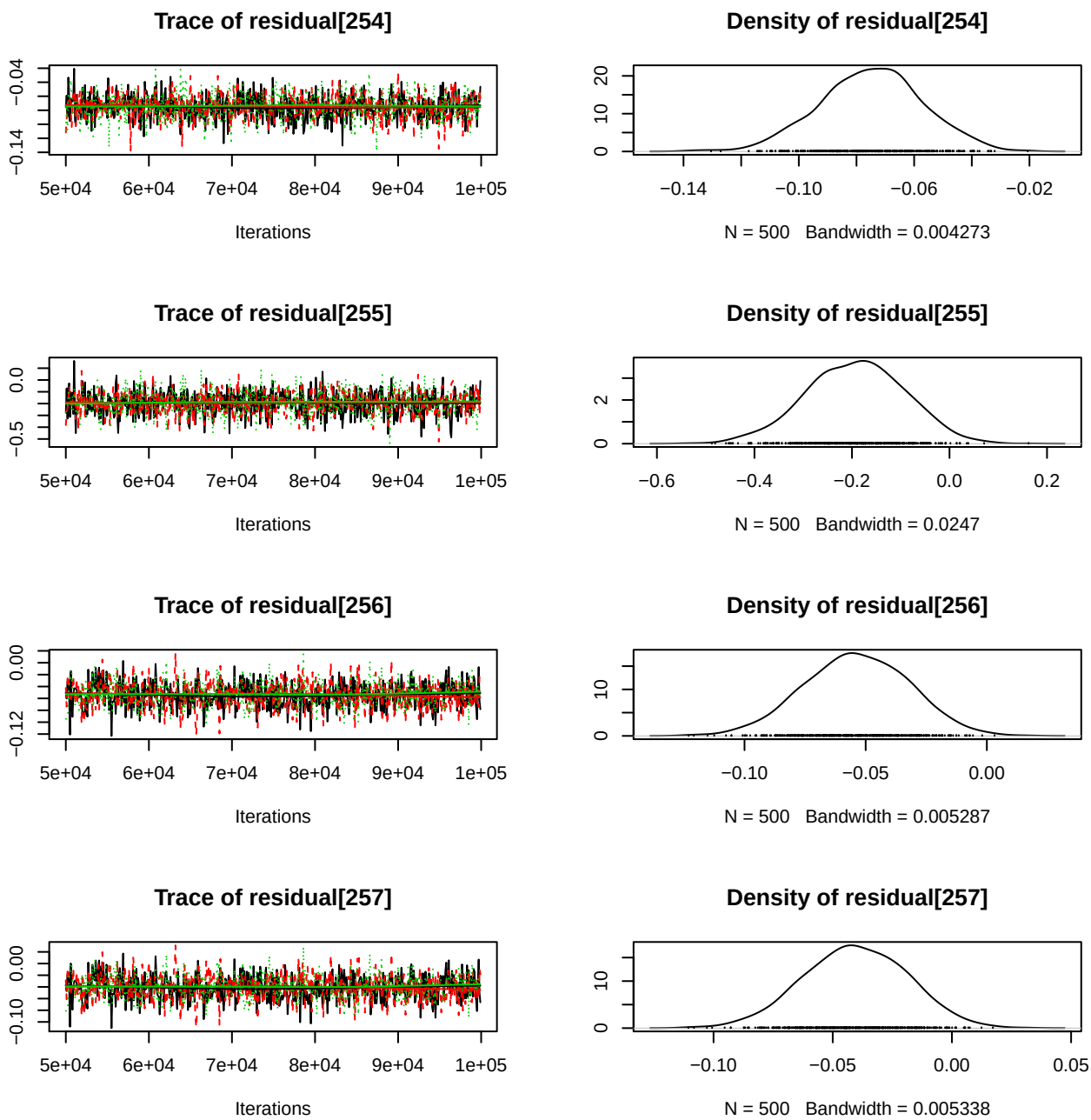

Trace of residual[236]
−0.18
−0.06
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[236]
0
10
20
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.00483
Trace of residual[237]
−0.14
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[237]
0
10
−0.16
−0.12
−0.08
−0.04
N = 500 Bandwidth = 0.00404
Trace of residual[238]
0.02
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[238]
0
10
20
0.00
0.02
0.04
0.06
0.08
0.10
0.12
N = 500 Bandwidth = 0.004287
Trace of residual[239]
−0.02
0.06
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[239]
0
10
20
−0.04
0.00
0.02
0.04
0.06
0.08
0.10
N = 500 Bandwidth = 0.004205

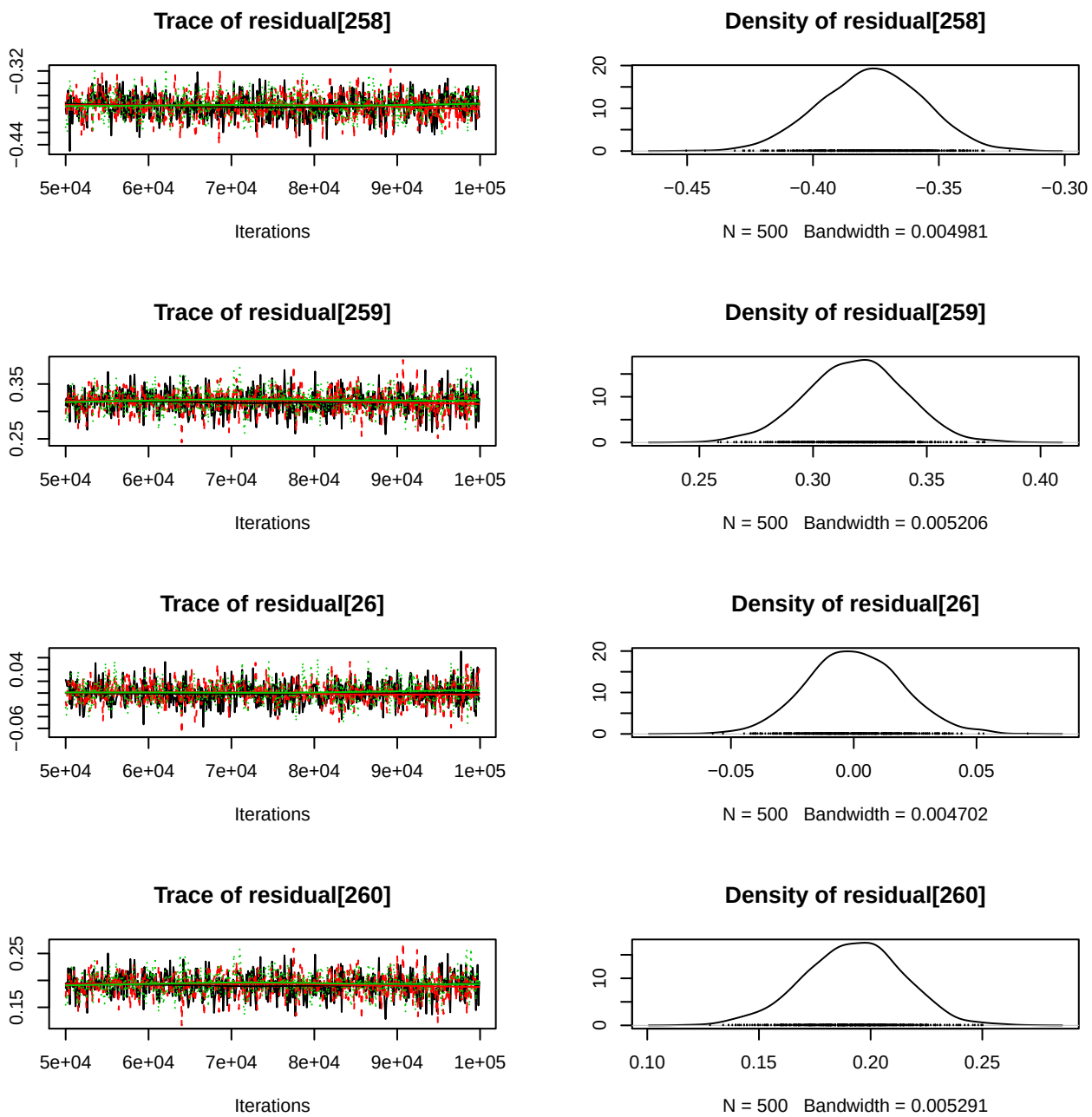

Trace of residual[24]
Iterations
Density of residual[24]
N = 500 Bandwidth = 0.004738
Trace of residual[240]
Iterations
Density of residual[240]
N = 500 Bandwidth = 0.007551
Trace of residual[241]
Iterations
Density of residual[241]
N = 500 Bandwidth = 0.006371
Trace of residual[242]
Iterations
Density of residual[242]
N = 500 Bandwidth = 0.007986

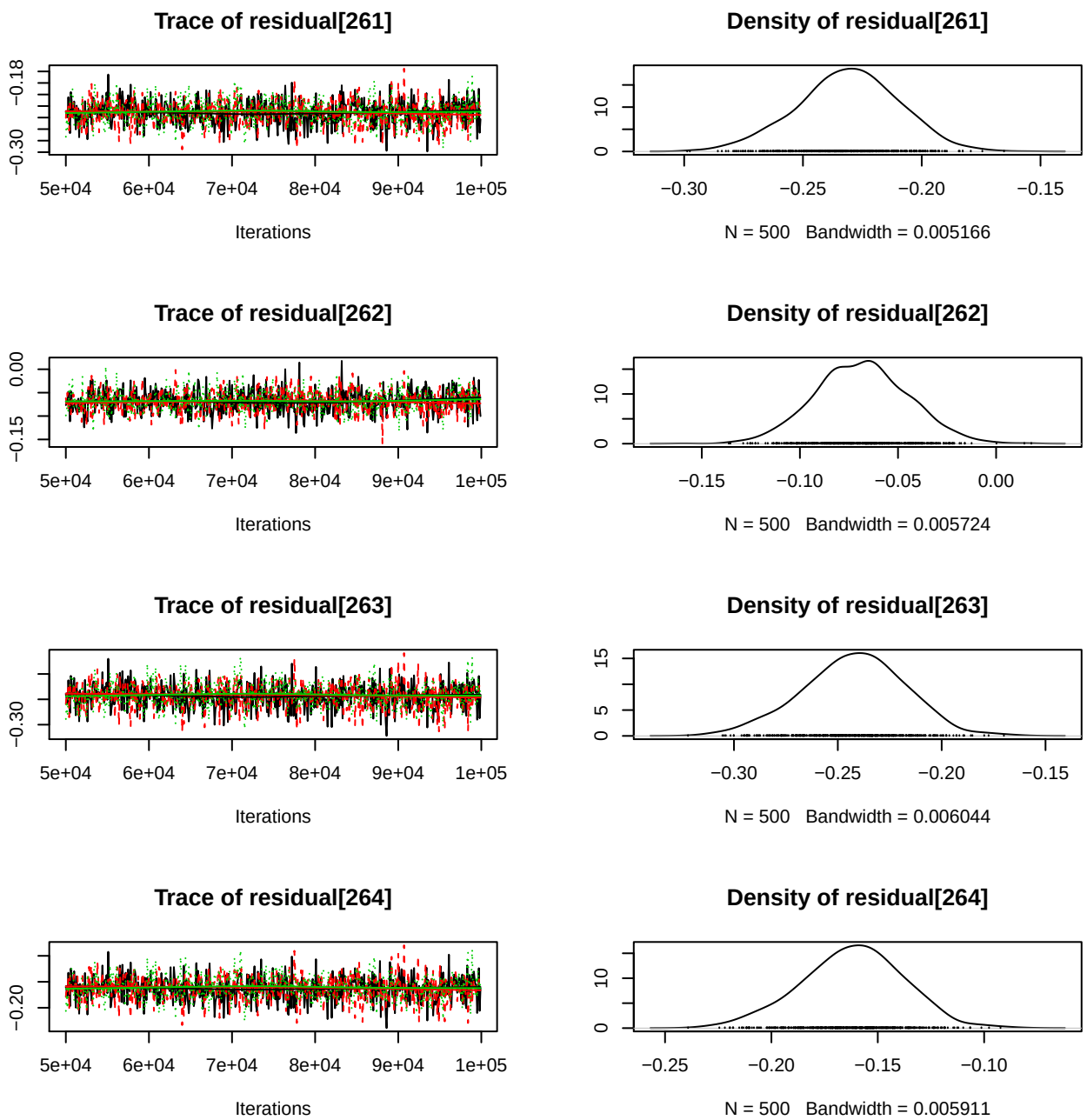

Trace of residual[243]
Iterations
Density of residual[243]
N = 500 Bandwidth = 0.01238
Trace of residual[244]
Iterations
Density of residual[244]
N = 500 Bandwidth = 0.01219
Trace of residual[245]
Iterations
Density of residual[245]
N = 500 Bandwidth = 0.01212
Trace of residual[246]
Iterations
Density of residual[246]
N = 500 Bandwidth = 0.004105

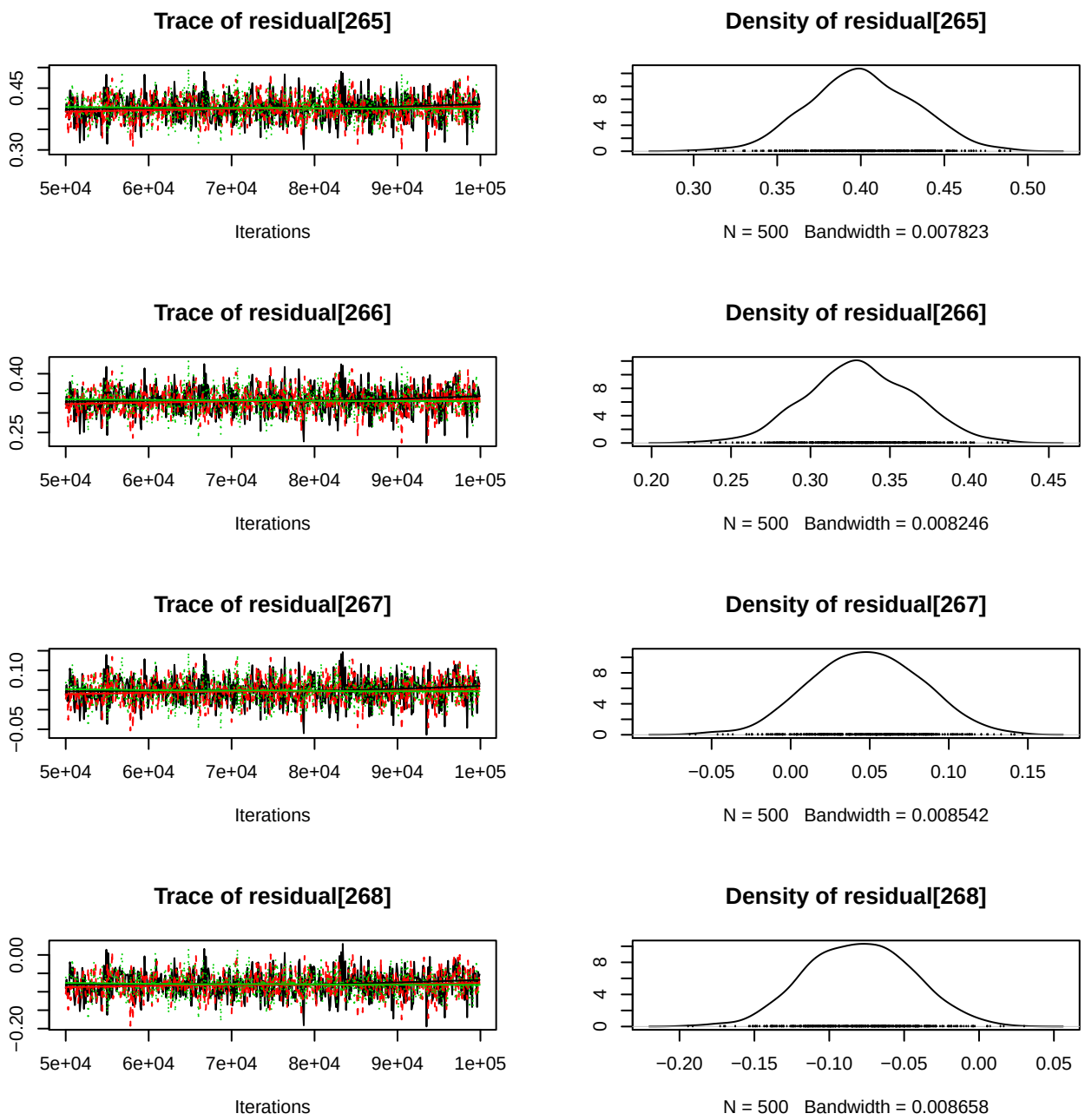

Trace of residual[247]
−0.24
−0.14
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[247]
0
10
−0.25
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.005022
Trace of residual[248]
−0.16
−0.06
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[248]
0
10
20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.004906
Trace of residual[249]
−0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[249]
0
10
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004864
Trace of residual[25]
−0.04
0.06
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[25]
0
10
20
−0.05
0.00
0.05
N = 500 Bandwidth = 0.00469

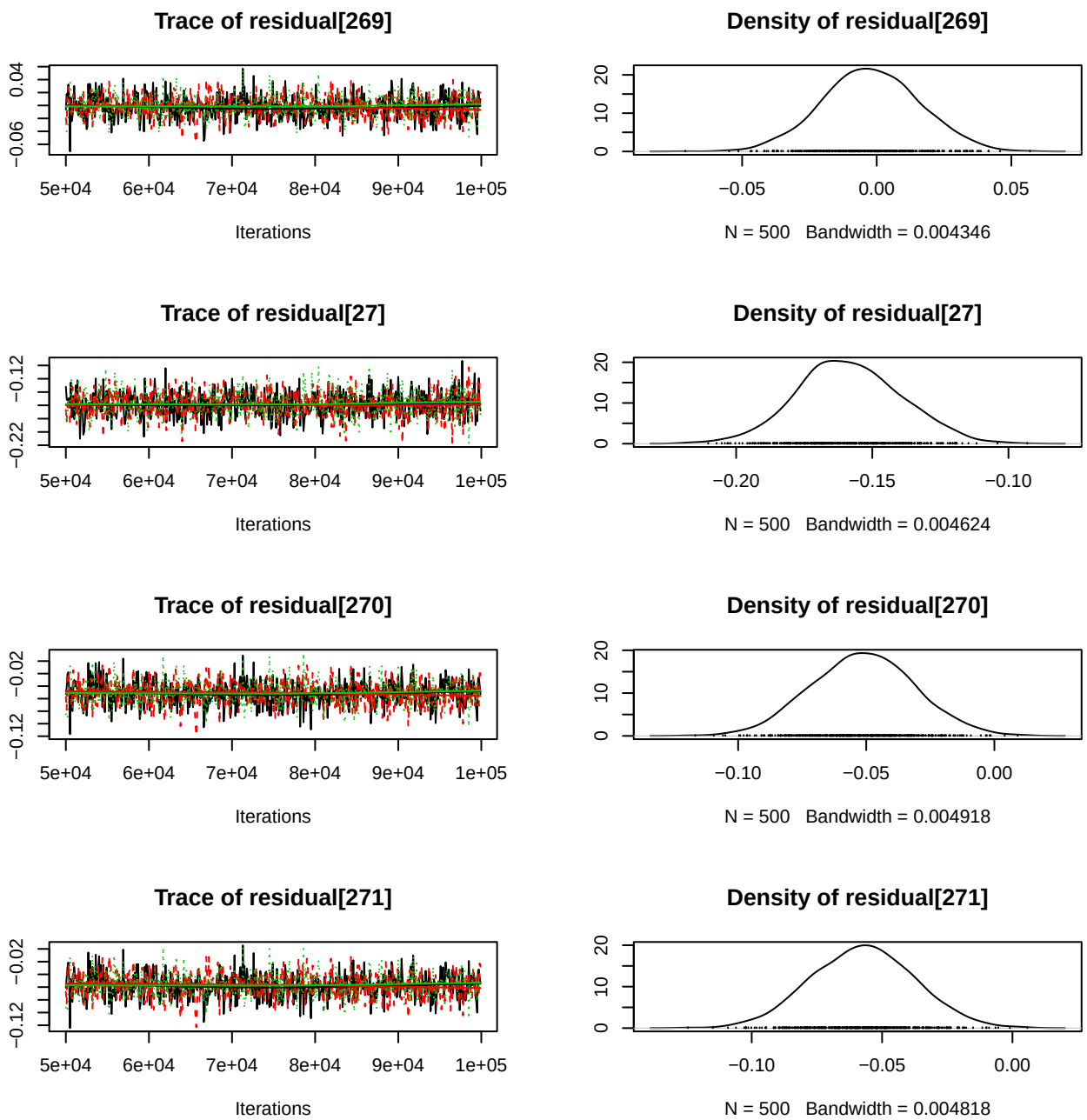

Trace of residual[250]
Iterations
Density of residual[250]
N = 500 Bandwidth = 0.004916
Trace of residual[251]
Iterations
Density of residual[251]
N = 500 Bandwidth = 0.005817
Trace of residual[252]
Iterations
Density of residual[252]
N = 500 Bandwidth = 0.004894
Trace of residual[253]
Iterations
Density of residual[253]
N = 500 Bandwidth = 0.004154

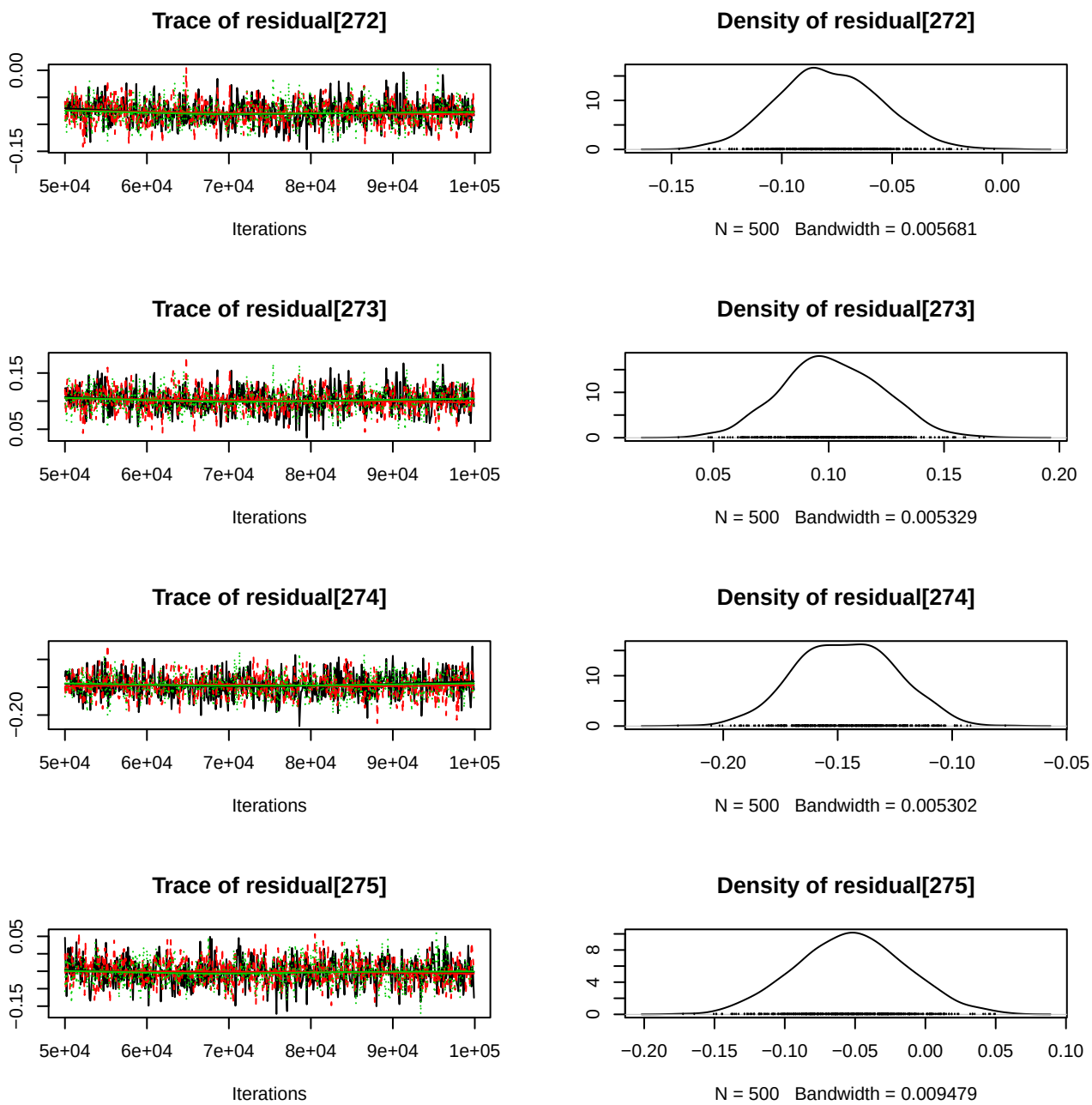

Trace of residual[254]
−0.14
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[254]
0
10
20
−0.14
−0.10
−0.06
−0.02
N = 500 Bandwidth = 0.004273
Trace of residual[255]
−0.5
0.0
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[255]
0
2
−0.6
−0.4
−0.2
0.0
0.2
N = 500 Bandwidth = 0.0247
Trace of residual[256]
−0.12
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[256]
0
10
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005287
Trace of residual[257]
−0.10
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[257]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005338

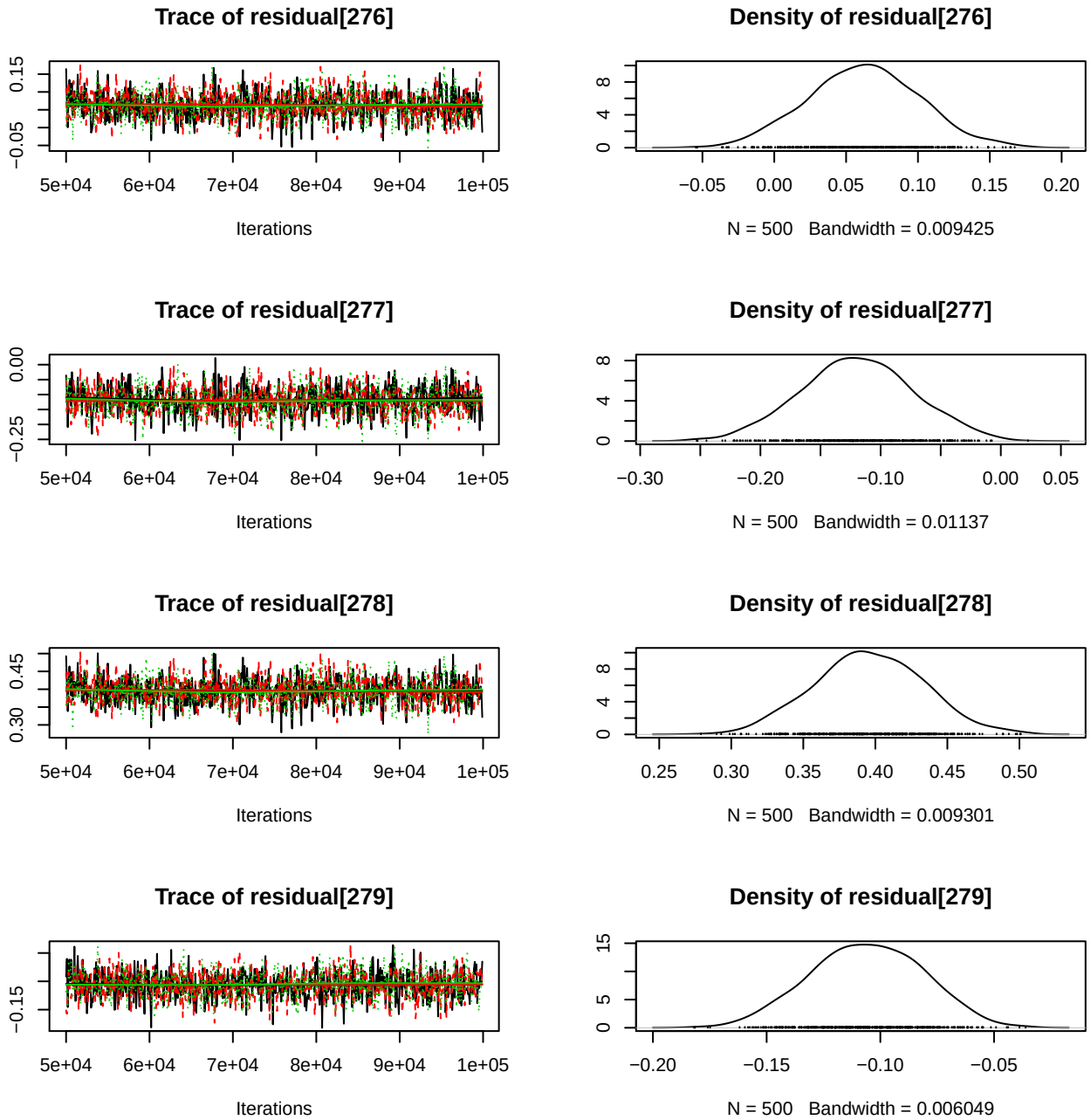

Trace of residual[258]
−0.32
−0.44
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[258]
20
10
0
−0.45
−0.40
−0.35
−0.30
N = 500 Bandwidth = 0.004981
Trace of residual[259]
0.35
0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[259]
10
0
0.25
0.30
0.35
0.40
N = 500 Bandwidth = 0.005206
Trace of residual[26]
0.04
−0.06
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[26]
20
10
0
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004702
Trace of residual[260]
0.25
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[260]
10
0
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.005291

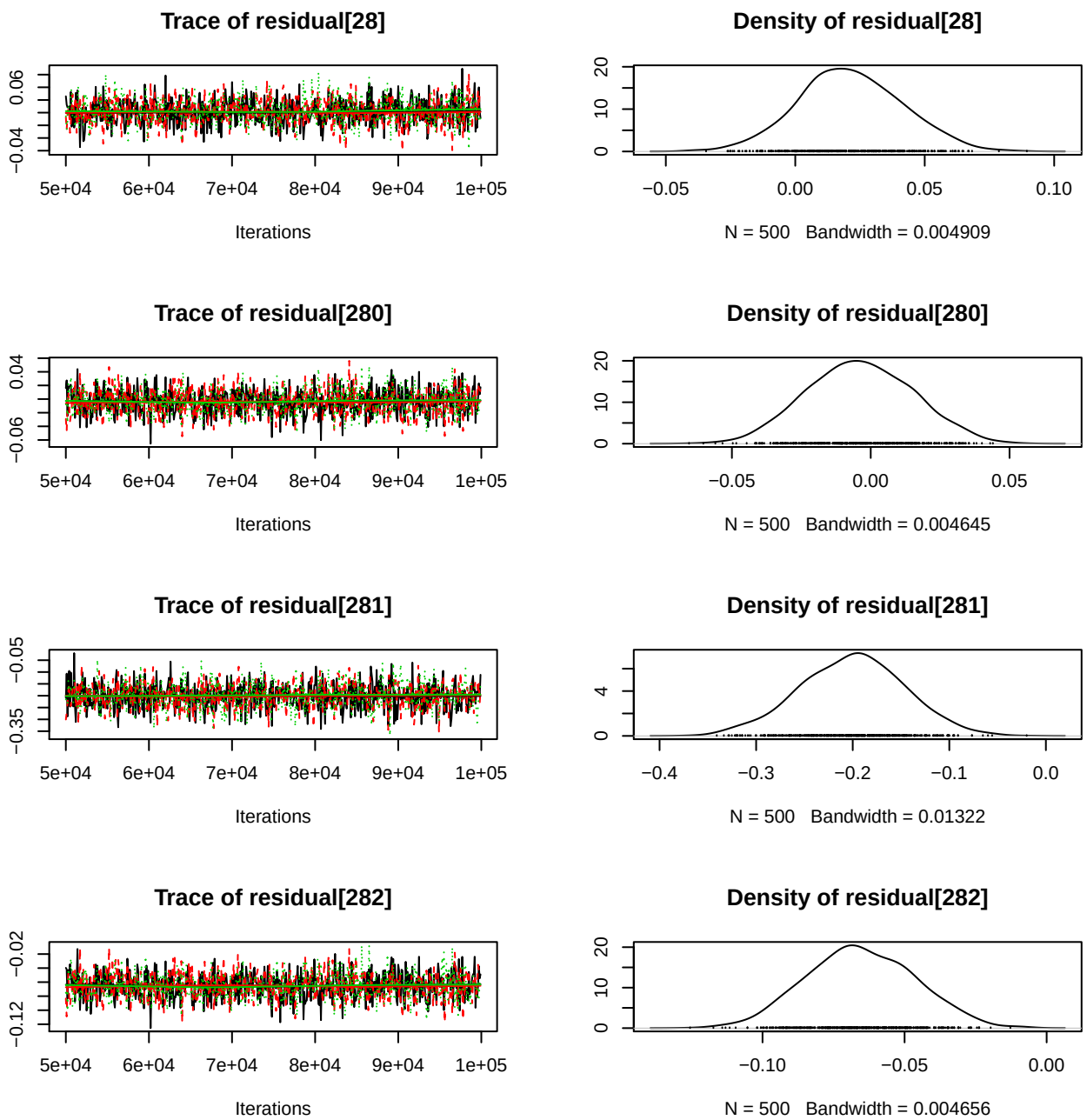

Trace of residual[261]
−0.30
−0.18
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[261]
0
10
−0.30
−0.25
−0.20
−0.15
N = 500 Bandwidth = 0.005166
Trace of residual[262]
−0.15
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[262]
0
10
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005724
Trace of residual[263]
−0.30
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[263]
0
5
15
−0.30
−0.25
−0.20
−0.15
N = 500 Bandwidth = 0.006044
Trace of residual[264]
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[264]
0
10
−0.25
−0.20
−0.15
−0.10
N = 500 Bandwidth = 0.005911

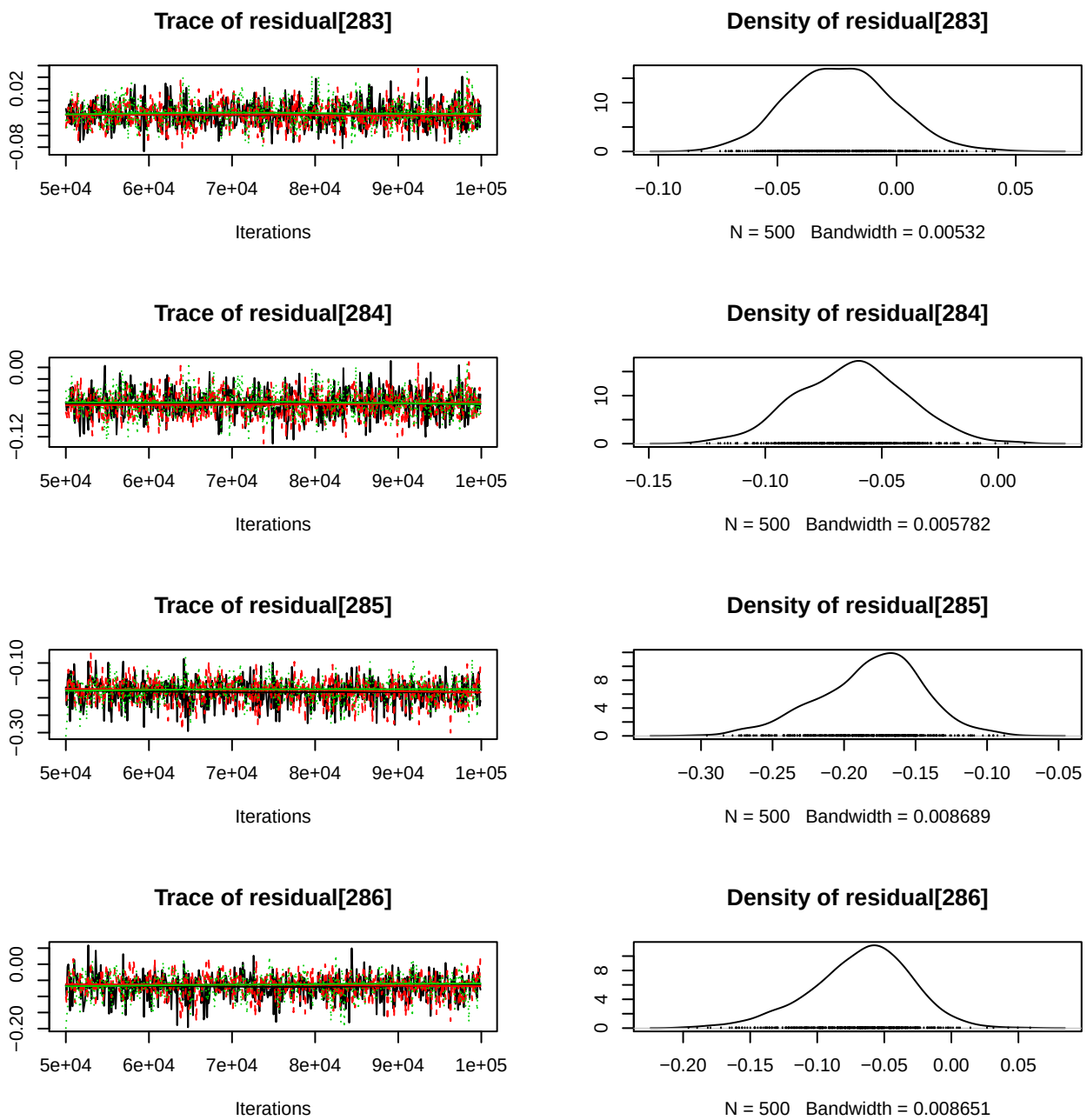

Trace of residual[265]
0.30
0.45
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[265]
0
4
8
0.30
0.35
0.40
0.45
0.50
N = 500 Bandwidth = 0.007823
Trace of residual[266]
0.25
0.40
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[266]
0
4
8
0.20
0.25
0.30
0.35
0.40
0.45
N = 500 Bandwidth = 0.008246
Trace of residual[267]
−0.05
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[267]
0
4
8
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.008542
Trace of residual[268]
−0.20
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[268]
0
4
8
−0.20
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.008658

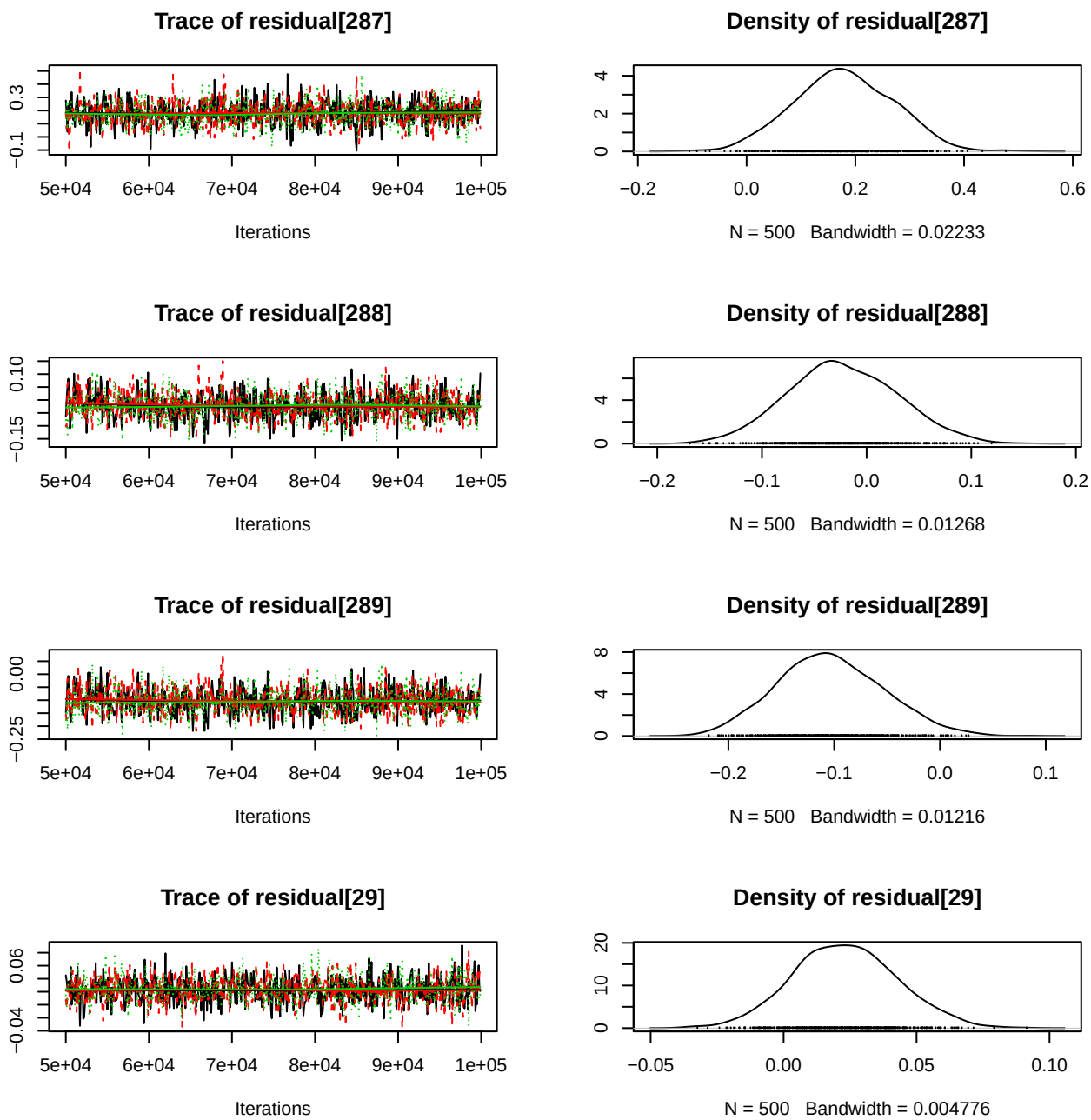

Trace of residual[269]
Iterations
Density of residual[269]
N = 500 Bandwidth = 0.004346
Trace of residual[27]
Iterations
Density of residual[27]
N = 500 Bandwidth = 0.004624
Trace of residual[270]
Iterations
Density of residual[270]
N = 500 Bandwidth = 0.004918
Trace of residual[271]
Iterations
Density of residual[271]
N = 500 Bandwidth = 0.004818

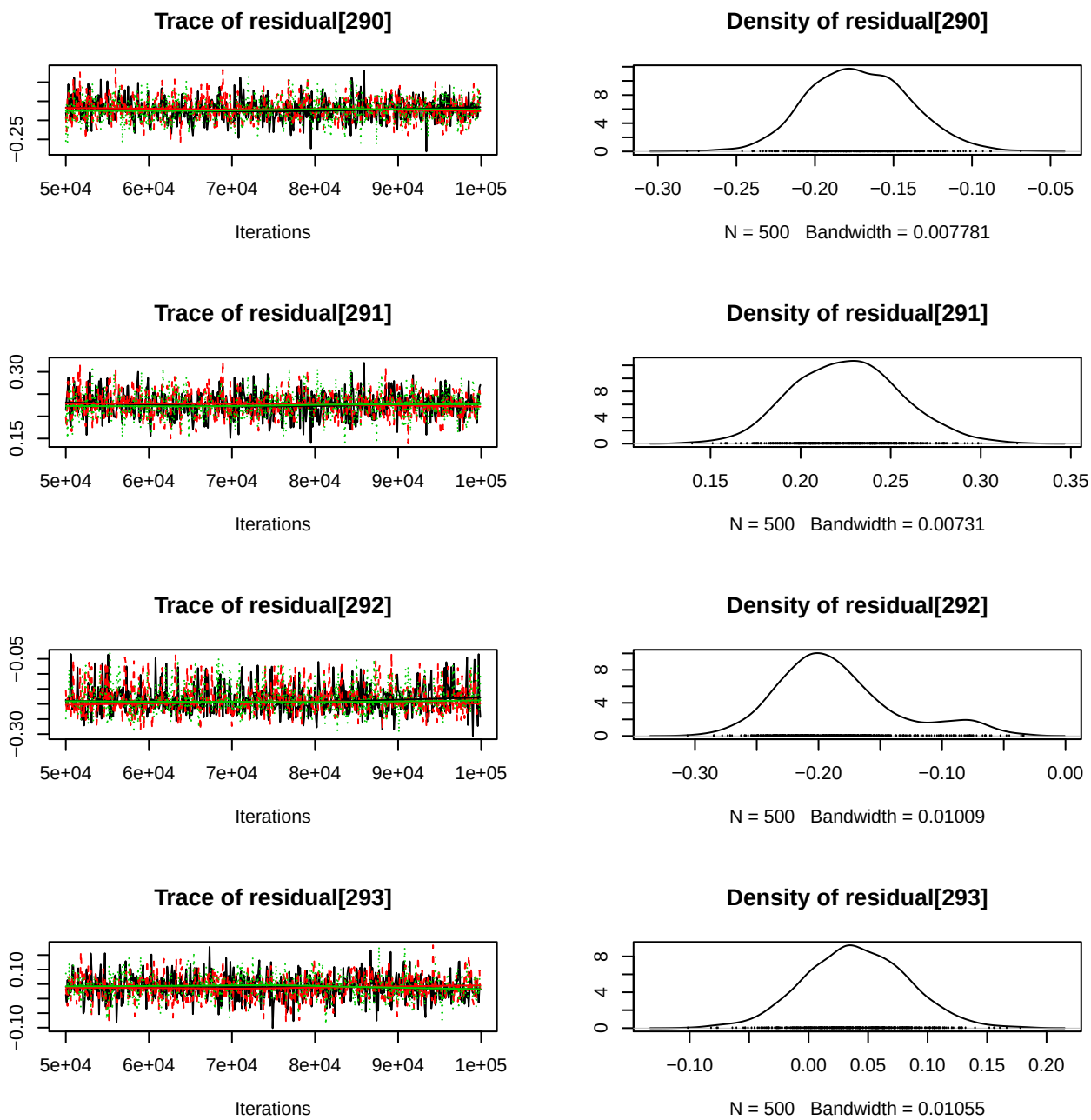

Trace of residual[272]
Iterations
Density of residual[272]
N = 500 Bandwidth = 0.005681
Trace of residual[273]
Iterations
Density of residual[273]
N = 500 Bandwidth = 0.005329
Trace of residual[274]
Iterations
Density of residual[274]
N = 500 Bandwidth = 0.005302
Trace of residual[275]
Iterations
Density of residual[275]
N = 500 Bandwidth = 0.009479

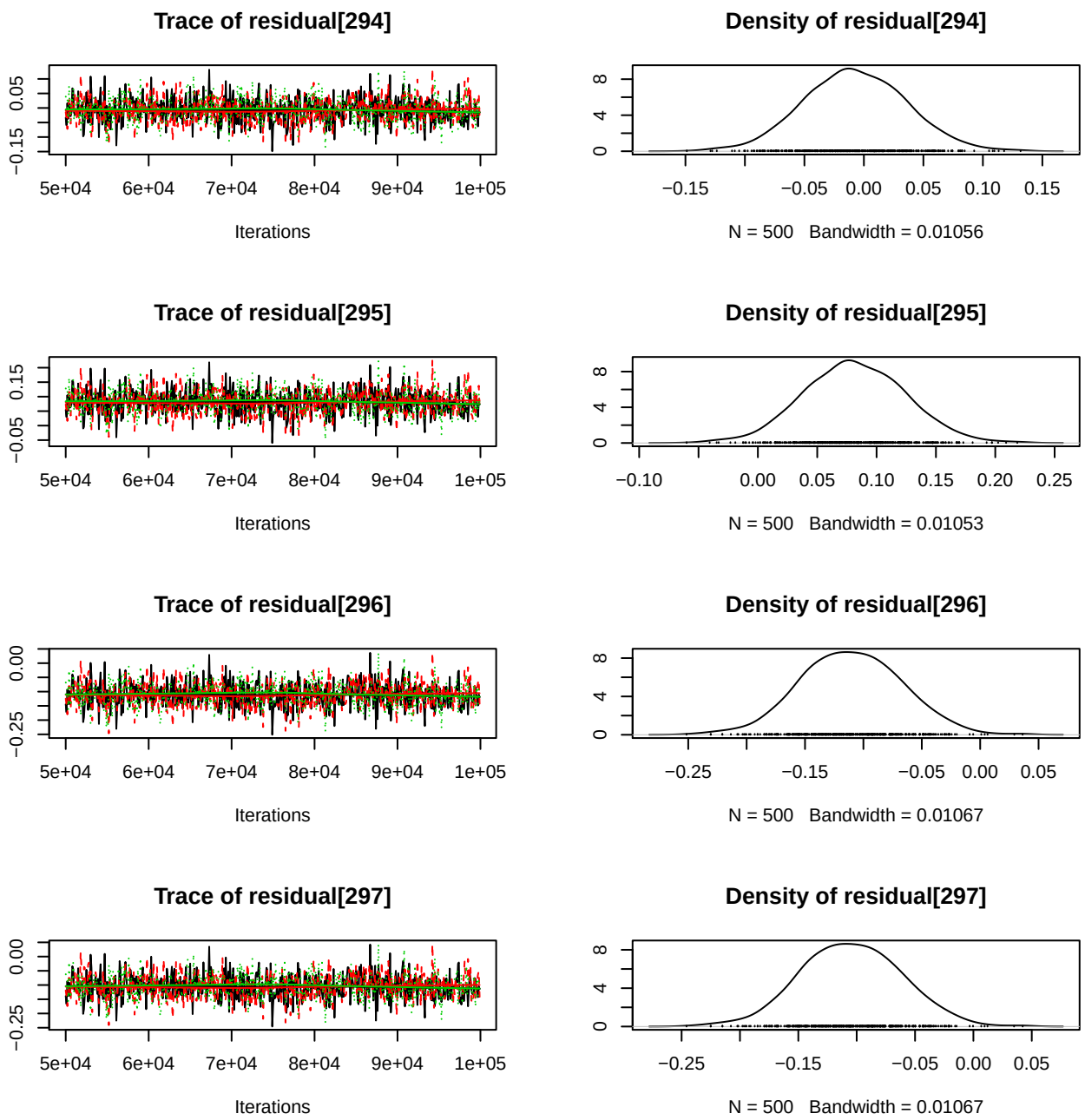

Trace of residual[276]
Iterations
Density of residual[276]
N = 500 Bandwidth = 0.009425
Trace of residual[277]
Iterations
Density of residual[277]
N = 500 Bandwidth = 0.01137
Trace of residual[278]
Iterations
Density of residual[278]
N = 500 Bandwidth = 0.009301
Trace of residual[279]
Iterations
Density of residual[279]
N = 500 Bandwidth = 0.006049

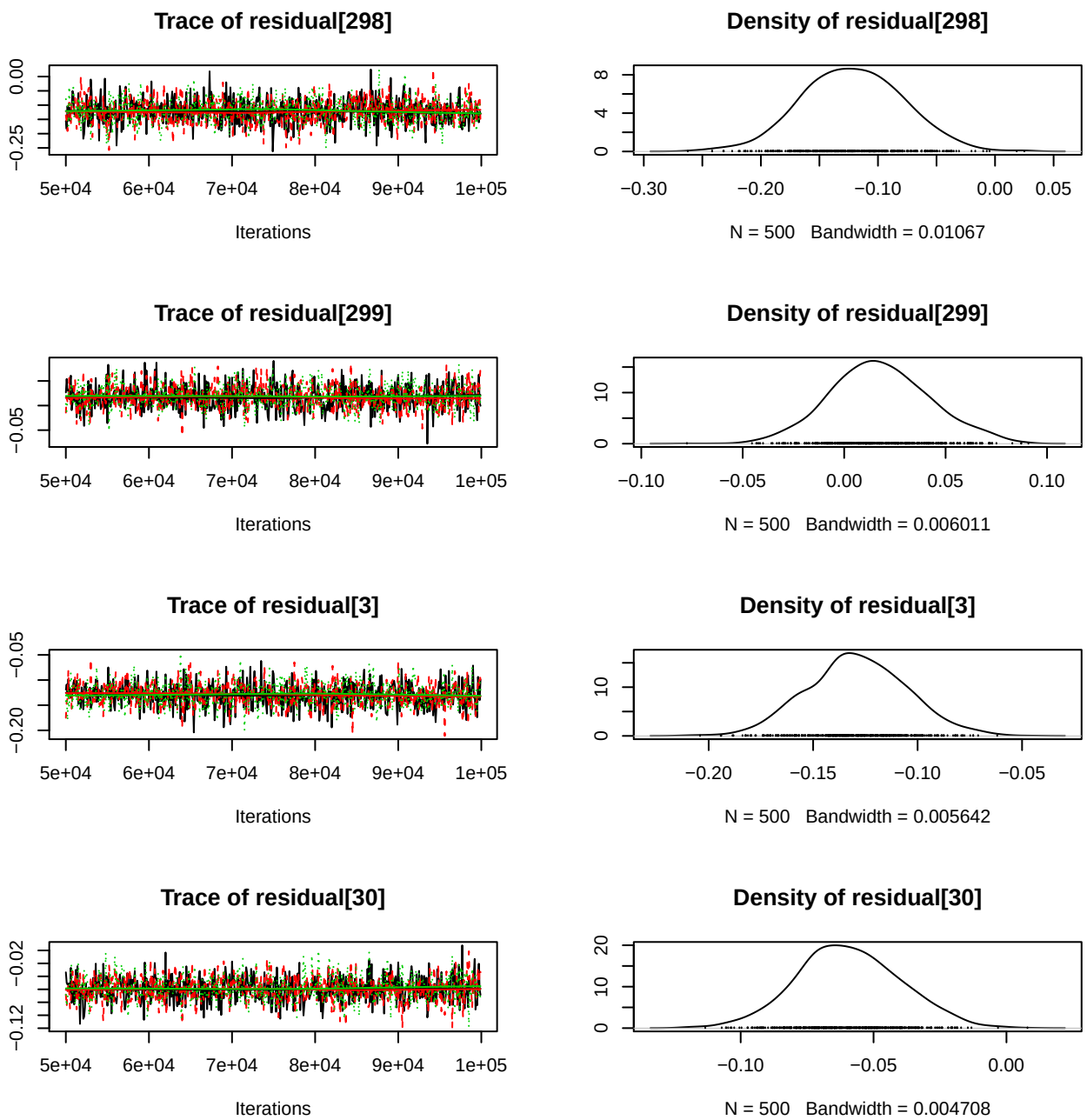

Trace of residual[28]
Iterations
Density of residual[28]
N = 500 Bandwidth = 0.004909
Trace of residual[280]
Iterations
Density of residual[280]
N = 500 Bandwidth = 0.004645
Trace of residual[281]
Iterations
Density of residual[281]
N = 500 Bandwidth = 0.01322
Trace of residual[282]
Iterations
Density of residual[282]
N = 500 Bandwidth = 0.004656

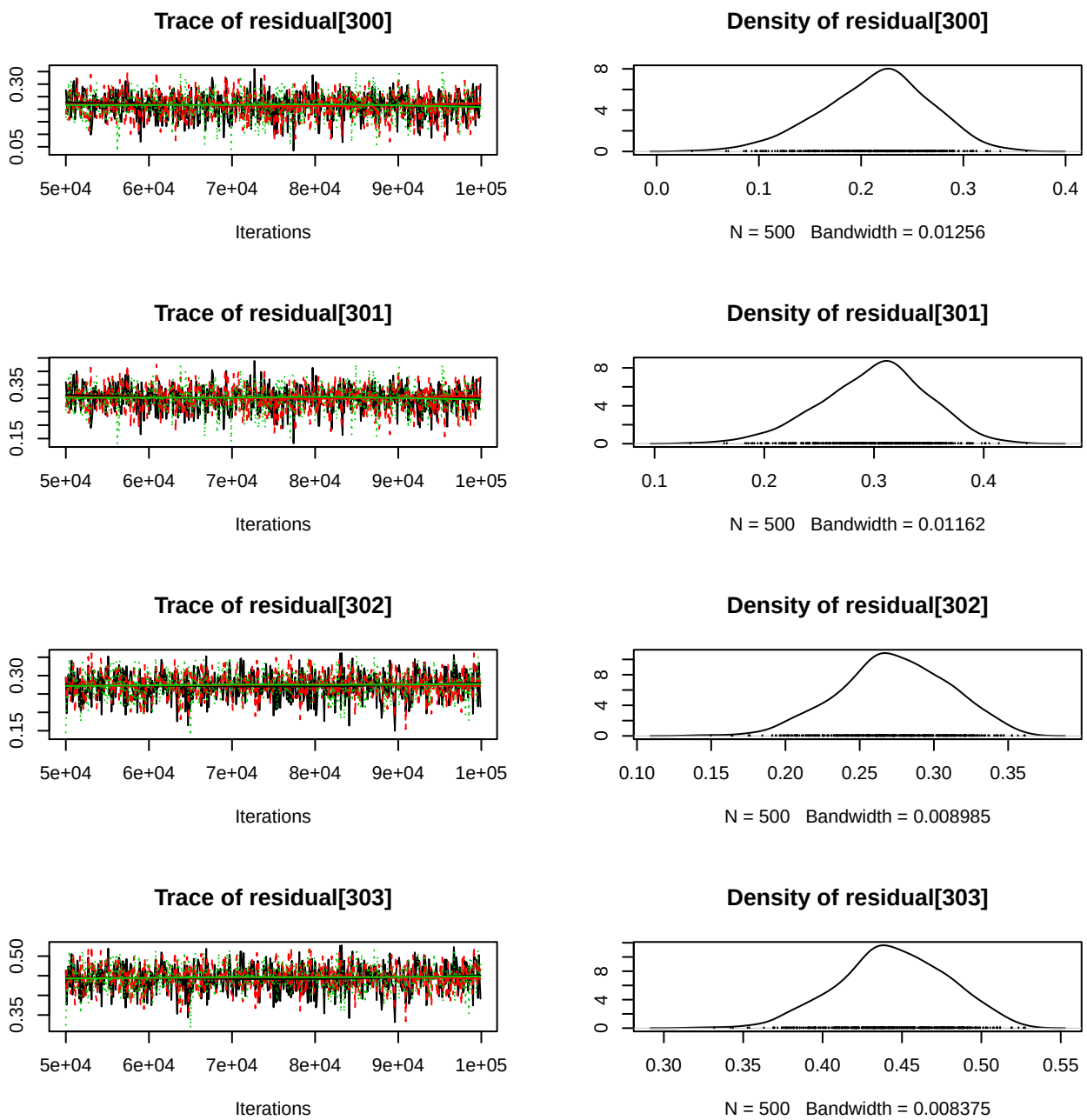

Trace of residual[283]
Iterations
Density of residual[283]
N = 500 Bandwidth = 0.00532
Trace of residual[284]
Iterations
Density of residual[284]
N = 500 Bandwidth = 0.005782
Trace of residual[285]
Iterations
Density of residual[285]
N = 500 Bandwidth = 0.008689
Trace of residual[286]
Iterations
Density of residual[286]
N = 500 Bandwidth = 0.008651

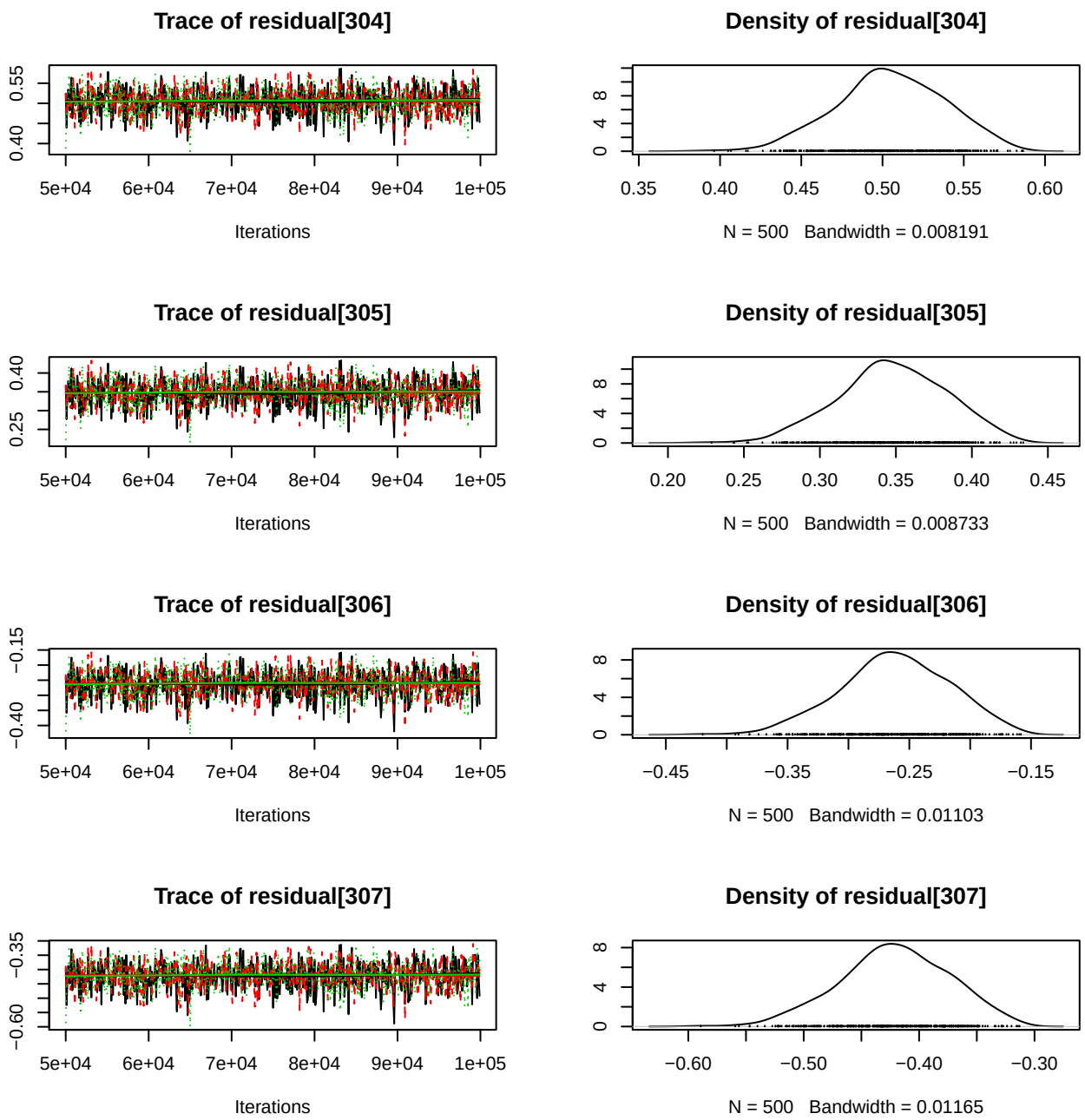

Trace of residual[287]
Iterations
Density of residual[287]
N = 500 Bandwidth = 0.02233
Trace of residual[288]
Iterations
Density of residual[288]
N = 500 Bandwidth = 0.01268
Trace of residual[289]
Iterations
Density of residual[289]
N = 500 Bandwidth = 0.01216
Trace of residual[29]
Iterations
Density of residual[29]
N = 500 Bandwidth = 0.004776

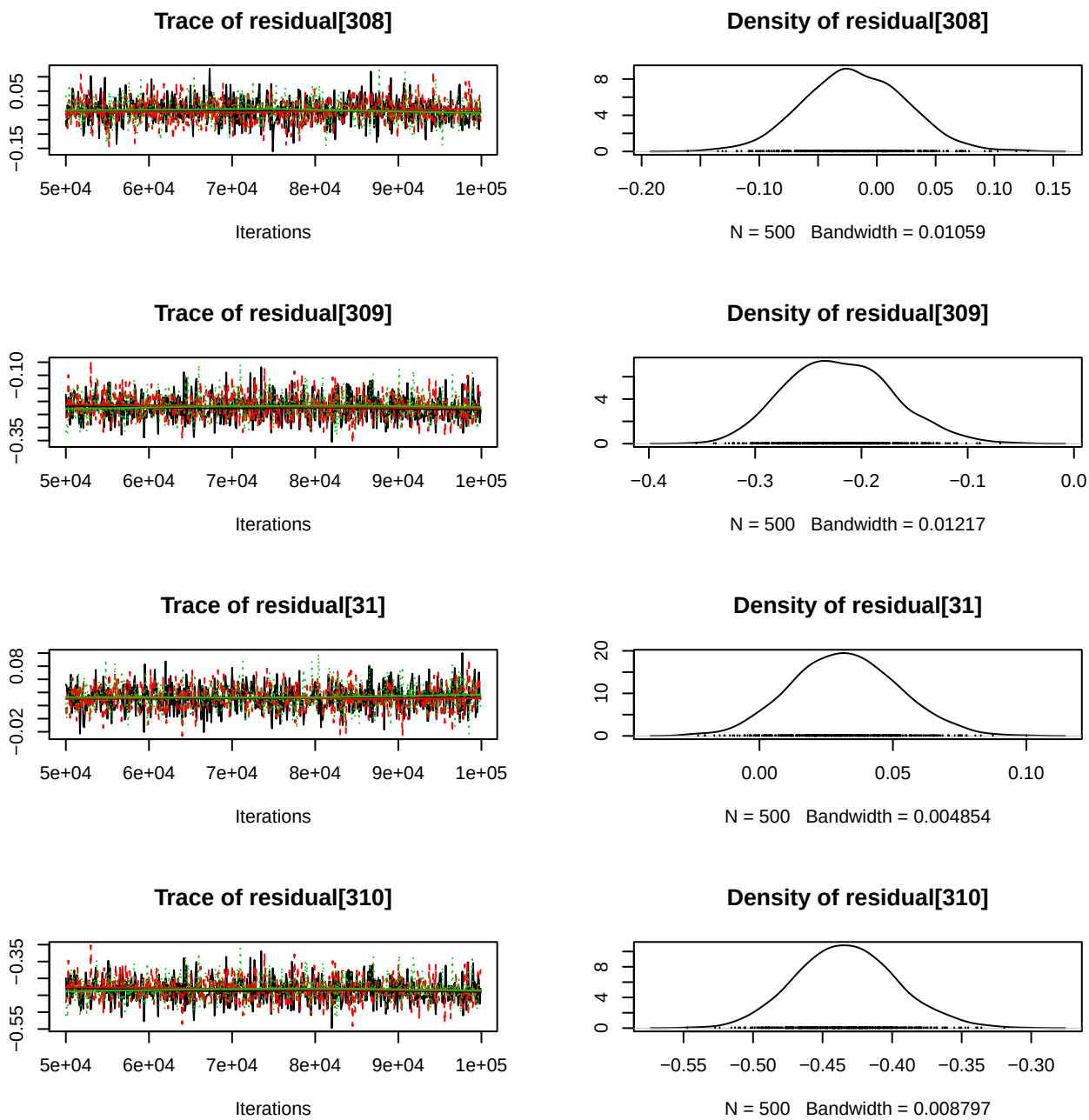

Trace of residual[290]
−0.25
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[290]
0 4 8
−0.30 −0.25 −0.20 −0.15 −0.10 −0.05
N = 500 Bandwidth = 0.007781
Trace of residual[291]
0.15 0.30
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[291]
0 4 8
0.15 0.20 0.25 0.30 0.35
N = 500 Bandwidth = 0.00731
Trace of residual[292]
−0.30 −0.05
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[292]
0 4 8
−0.30 −0.20 −0.10 0.00
N = 500 Bandwidth = 0.01009
Trace of residual[293]
−0.10 0.10
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[293]
0 4 8
−0.10 0.00 0.05 0.10 0.15 0.20
N = 500 Bandwidth = 0.01055

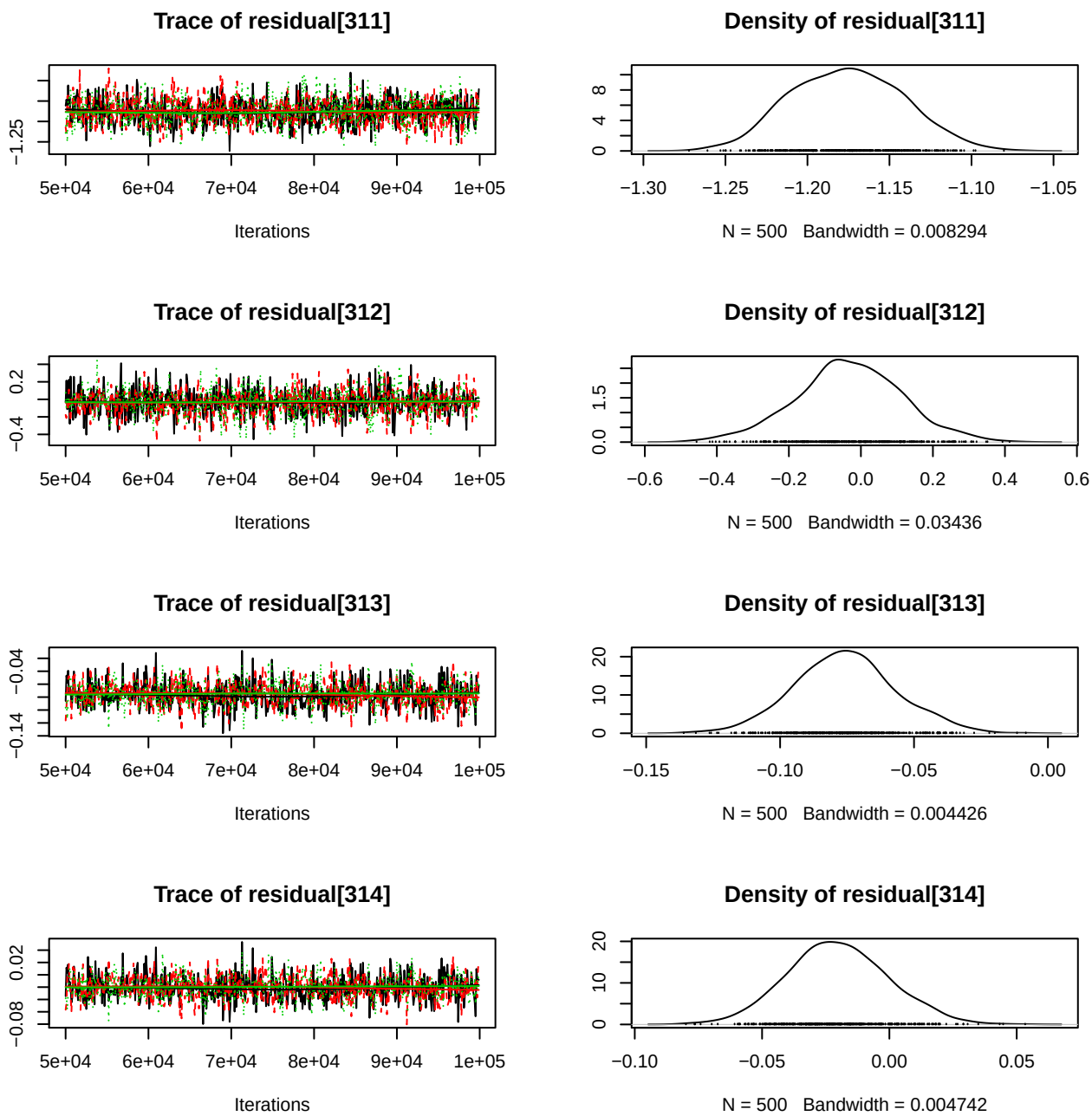

Trace of residual[294]
Iterations
Density of residual[294]
N = 500 Bandwidth = 0.01056
Trace of residual[295]
Iterations
Density of residual[295]
N = 500 Bandwidth = 0.01053
Trace of residual[296]
Iterations
Density of residual[296]
N = 500 Bandwidth = 0.01067
Trace of residual[297]
Iterations
Density of residual[297]
N = 500 Bandwidth = 0.01067

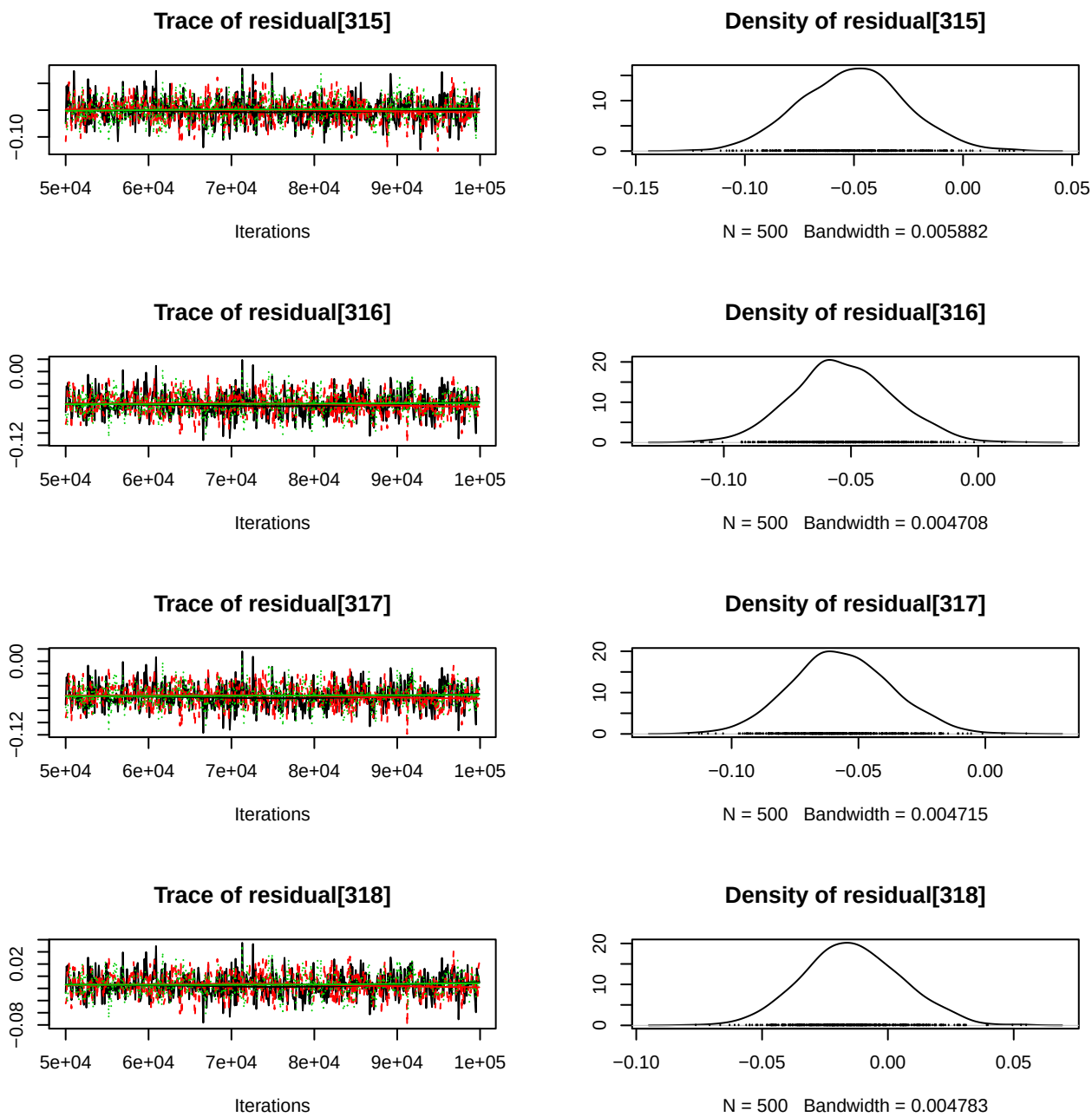

Trace of residual[298]
Density of residual[298]
Iterations
N = 500 Bandwidth = 0.01067
Trace of residual[299]
Density of residual[299]
Iterations
N = 500 Bandwidth = 0.006011
Trace of residual[3]
Density of residual[3]
Iterations
N = 500 Bandwidth = 0.005642
Trace of residual[30]
Density of residual[30]
Iterations
N = 500 Bandwidth = 0.004708

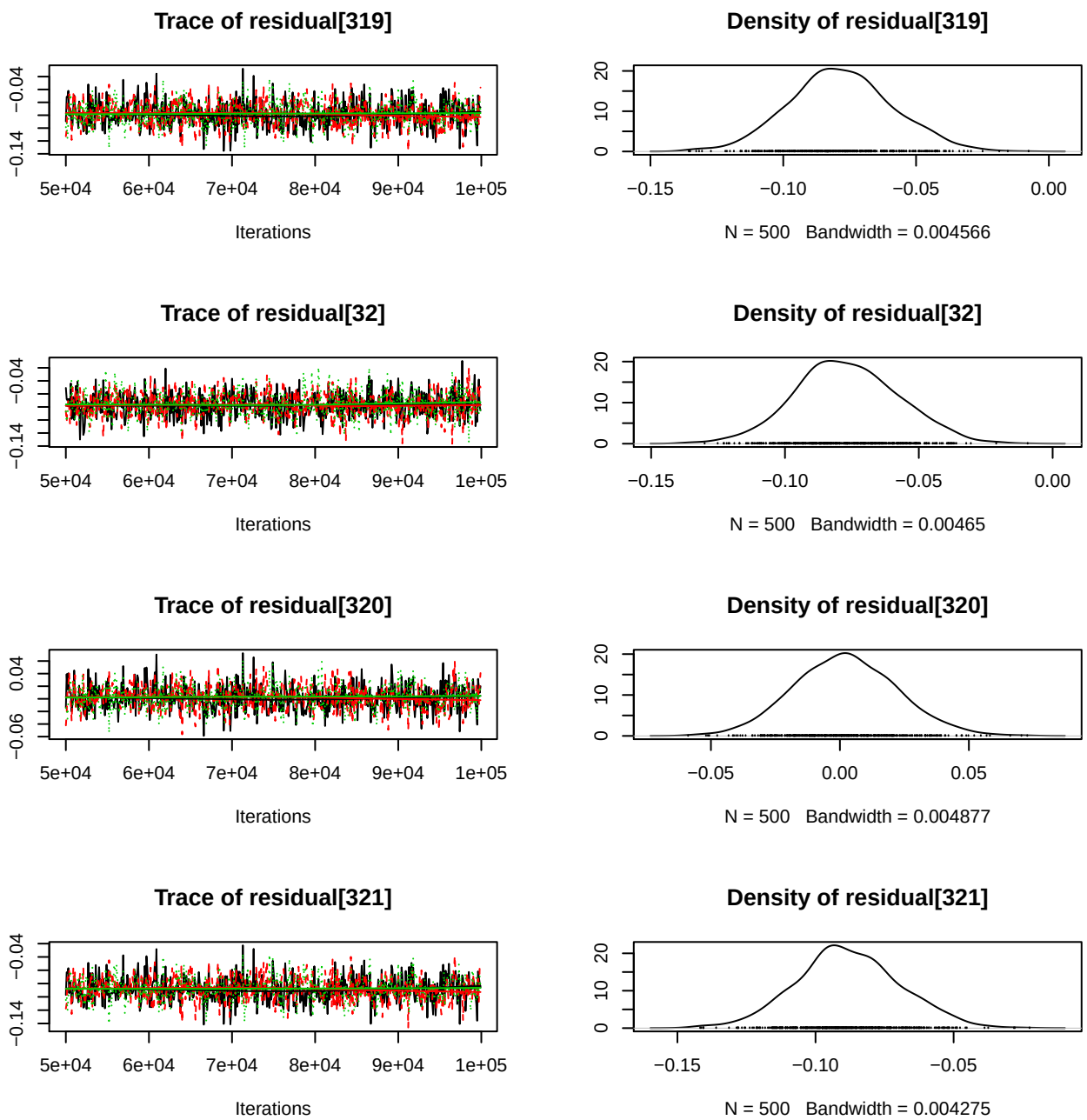

Trace of residual[300]
0.05
0.30
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[300]
0
4
8
0.0
0.1
0.2
0.3
0.4
N = 500 Bandwidth = 0.01256
Trace of residual[301]
0.15
0.35
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[301]
0
4
8
0.1
0.2
0.3
0.4
N = 500 Bandwidth = 0.01162
Trace of residual[302]
0.15
0.30
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[302]
0
4
8
0.10
0.15
0.20
0.25
0.30
0.35
N = 500 Bandwidth = 0.008985
Trace of residual[303]
0.35
0.50
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[303]
0
4
8
0.30
0.35
0.40
0.45
0.50
0.55
N = 500 Bandwidth = 0.008375

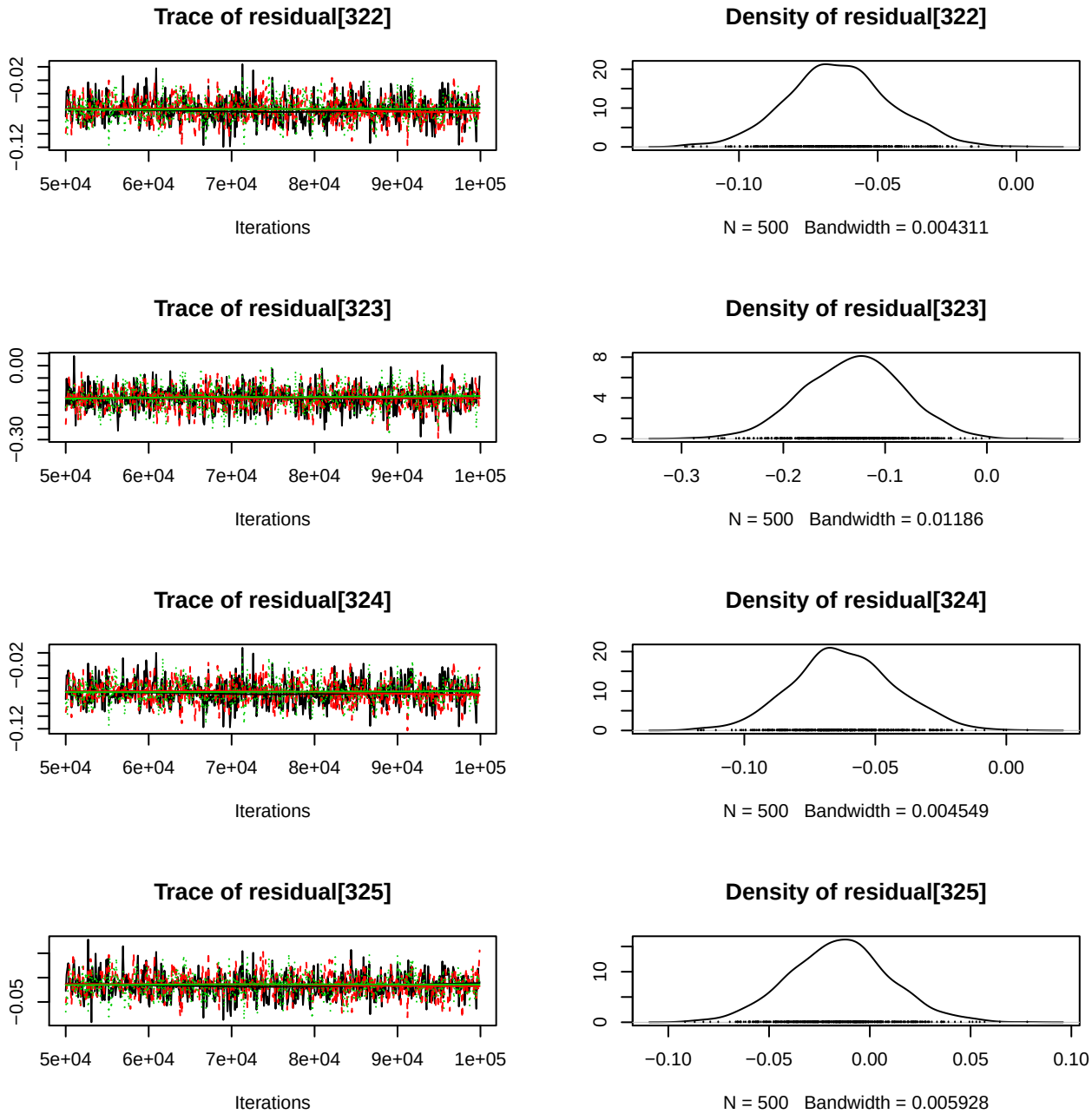

Trace of residual[304]
0.40
0.55
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[304]
0
4
8
0.35
0.40
0.45
0.50
0.55
0.60
N = 500 Bandwidth = 0.008191
Trace of residual[305]
0.25
0.40
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[305]
0
4
8
0.20
0.25
0.30
0.35
0.40
0.45
N = 500 Bandwidth = 0.008733
Trace of residual[306]
−0.40
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[306]
0
4
8
−0.45
−0.35
−0.25
−0.15
N = 500 Bandwidth = 0.01103
Trace of residual[307]
−0.60
−0.35
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[307]
0
4
8
−0.60
−0.50
−0.40
−0.30
N = 500 Bandwidth = 0.01165

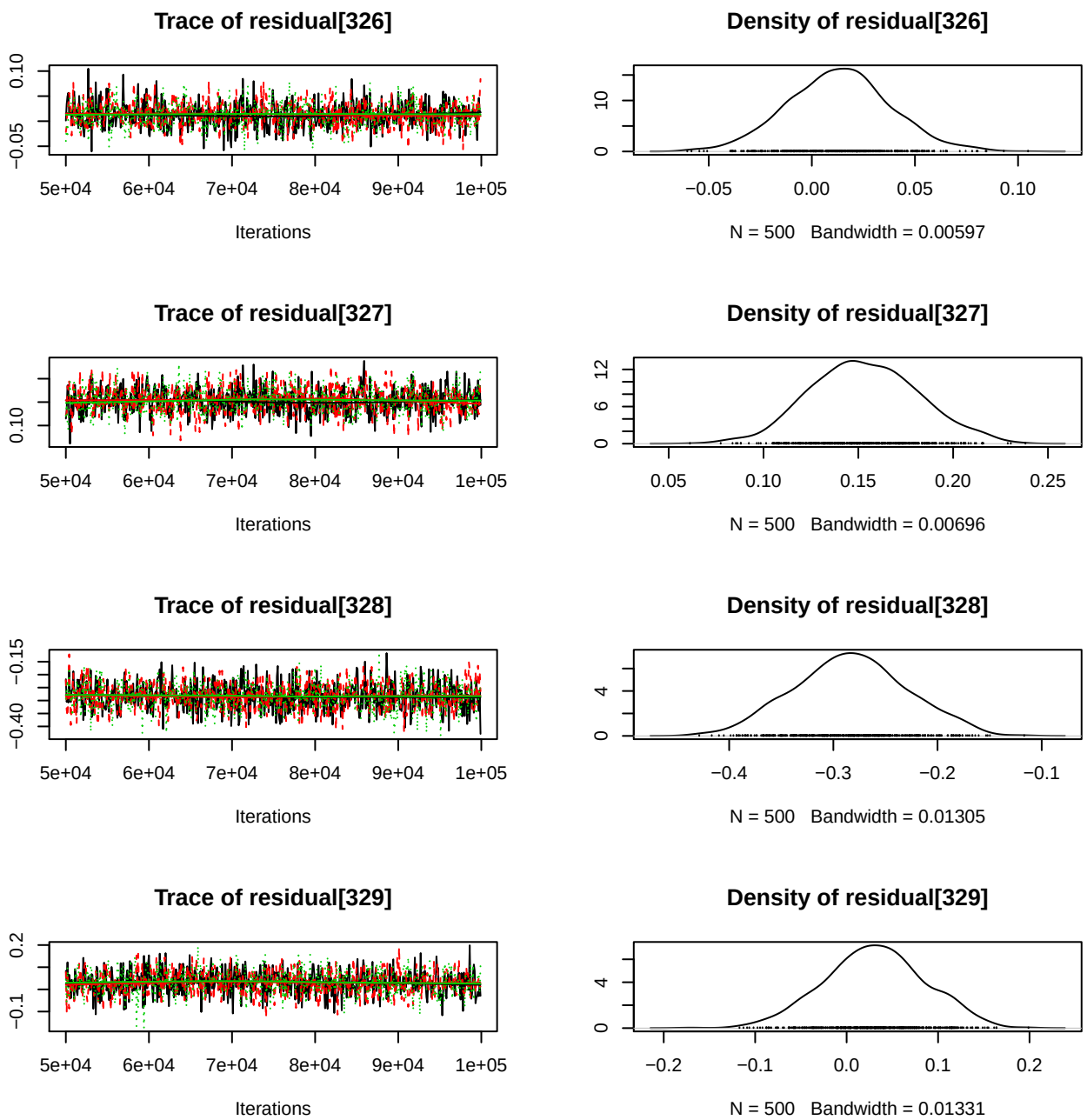

Trace of residual[308]
Iterations
Density of residual[308]
N = 500 Bandwidth = 0.01059
Trace of residual[309]
Iterations
Density of residual[309]
N = 500 Bandwidth = 0.01217
Trace of residual[31]
Iterations
Density of residual[31]
N = 500 Bandwidth = 0.004854
Trace of residual[310]
Iterations
Density of residual[310]
N = 500 Bandwidth = 0.008797

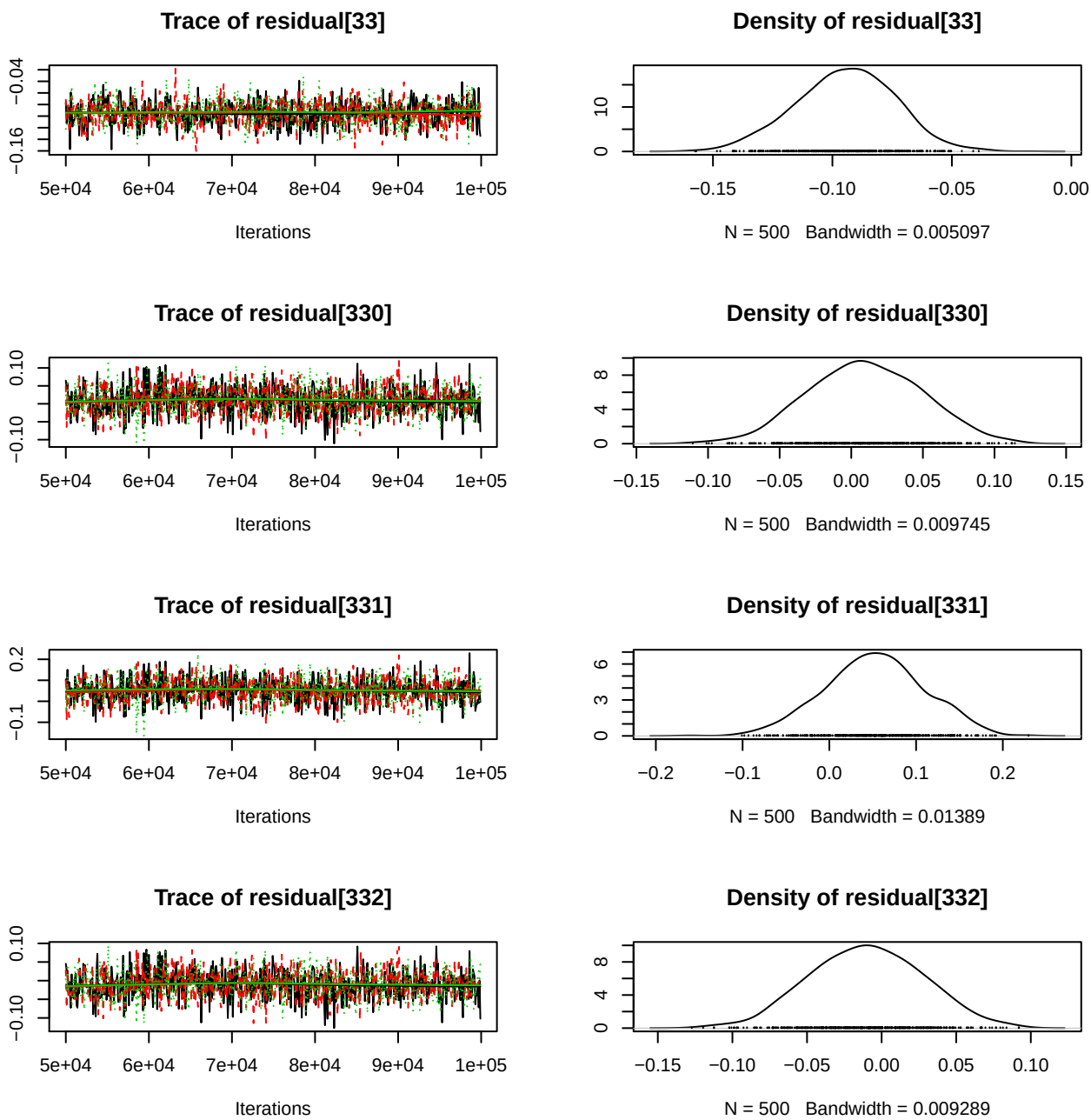

Trace of residual[311]
−1.25
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[311]
0 4 8
−1.30 −1.25 −1.20 −1.15 −1.10 −1.05
N = 500 Bandwidth = 0.008294
Trace of residual[312]
−0.4 0.2
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[312]
0.0 1.5
−0.6 −0.4 −0.2 0.0 0.2 0.4 0.6
N = 500 Bandwidth = 0.03436
Trace of residual[313]
−0.14 −0.04
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[313]
0 10 20
−0.15 −0.10 −0.05 0.00
N = 500 Bandwidth = 0.004426
Trace of residual[314]
−0.08 0.02
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[314]
0 10 20
−0.10 −0.05 0.00 0.05
N = 500 Bandwidth = 0.004742

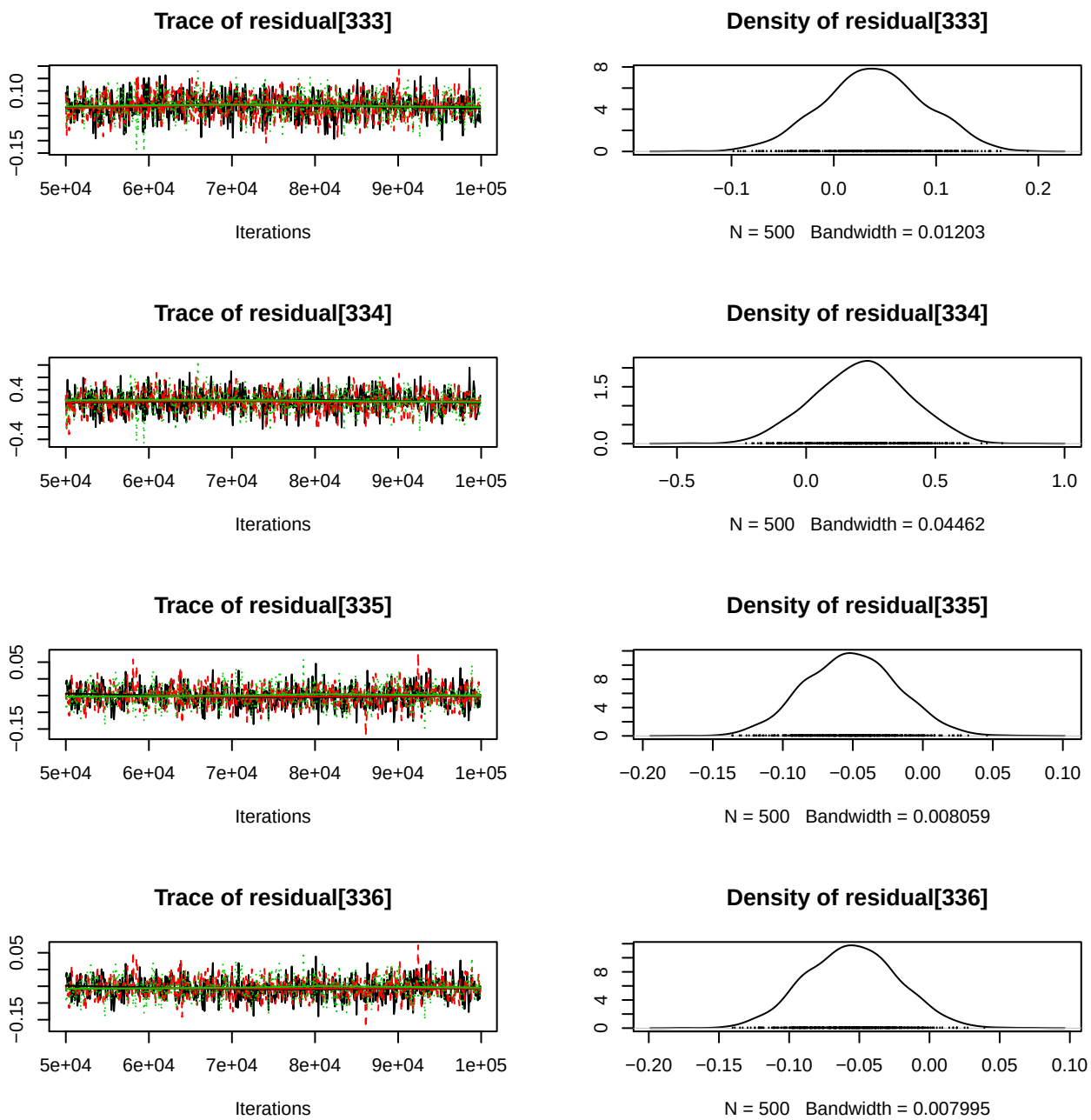

Trace of residual[315]
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[315]
0
10
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005882
Trace of residual[316]
0.00
−0.12
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[316]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004708
Trace of residual[317]
0.00
−0.12
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[317]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004715
Trace of residual[318]
0.02
−0.08
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[318]
0
10
20
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004783

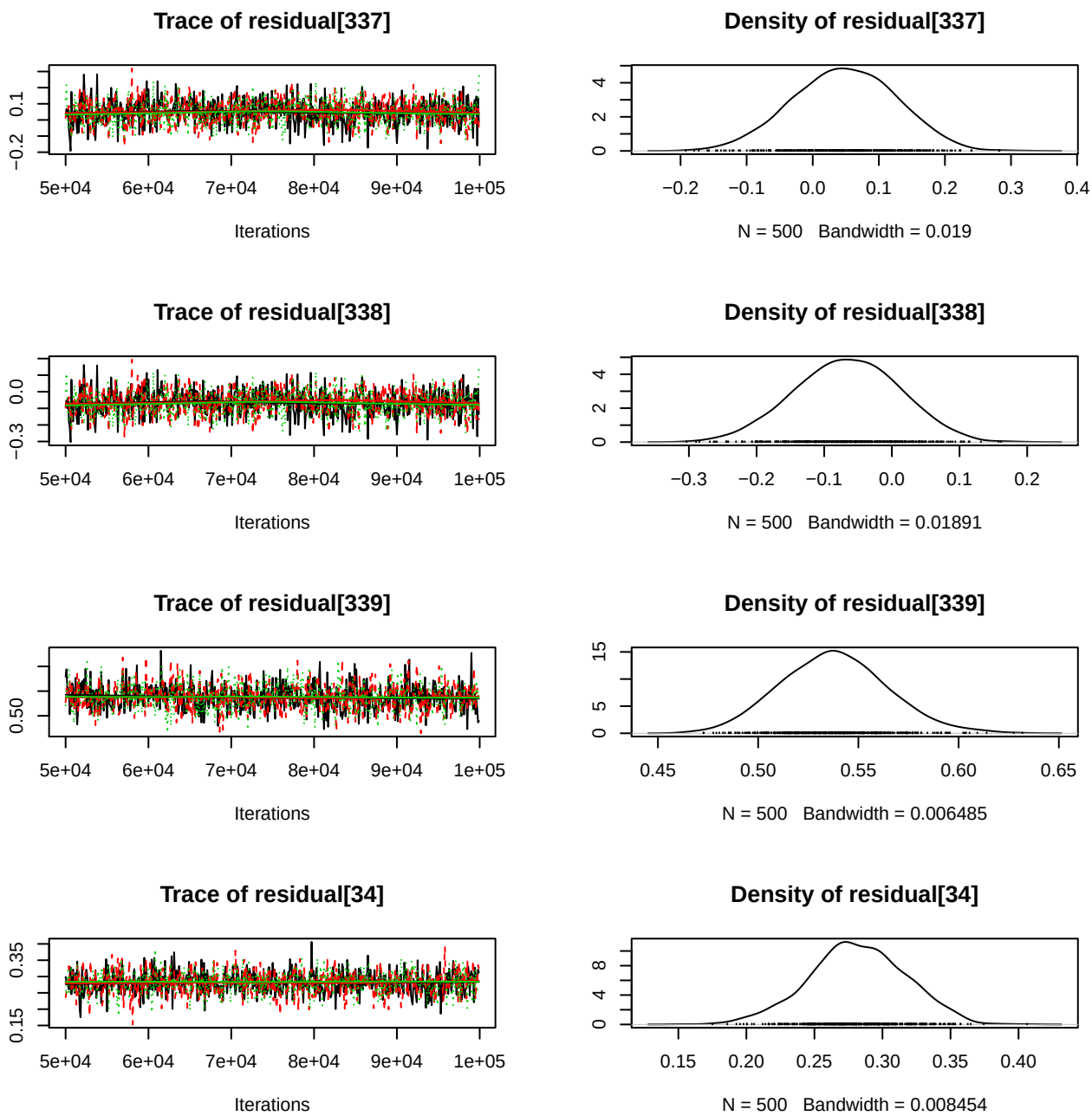

Trace of residual[319]
−0.14
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[319]
0
10
20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004566
Trace of residual[32]
−0.14
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[32]
0
10
20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.00465
Trace of residual[320]
−0.06
0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[320]
0
10
20
−0.05
0.00
0.05
N = 500 Bandwidth = 0.004877
Trace of residual[321]
−0.14
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[321]
0
10
20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.004275

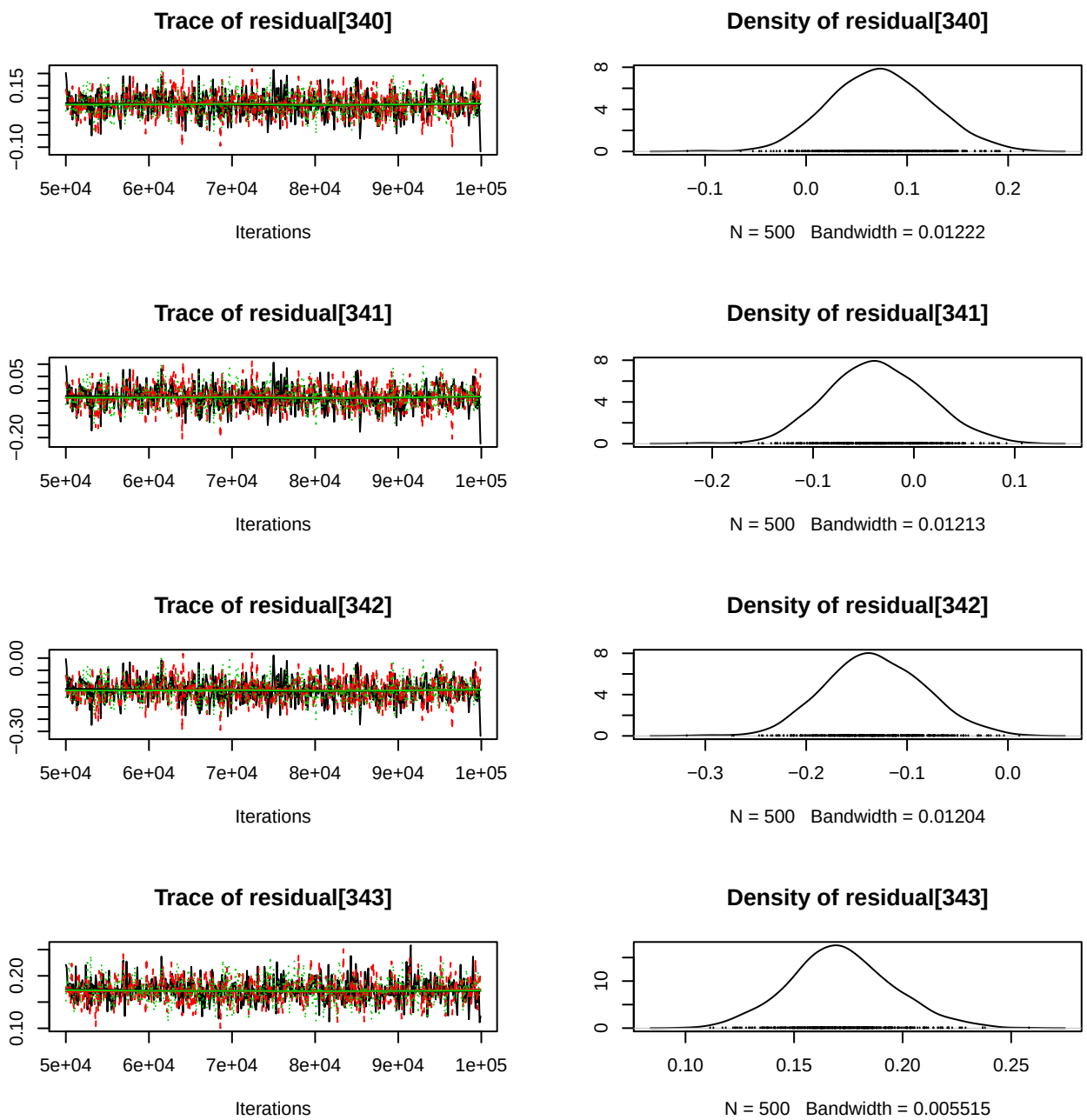

Trace of residual[322]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[322]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004311
Trace of residual[323]
−0.30
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[323]
0
4
8
−0.3
−0.2
−0.1
0.0
N = 500 Bandwidth = 0.01186
Trace of residual[324]
−0.12
−0.02
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[324]
0
10
20
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.004549
Trace of residual[325]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[325]
0
10
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.005928

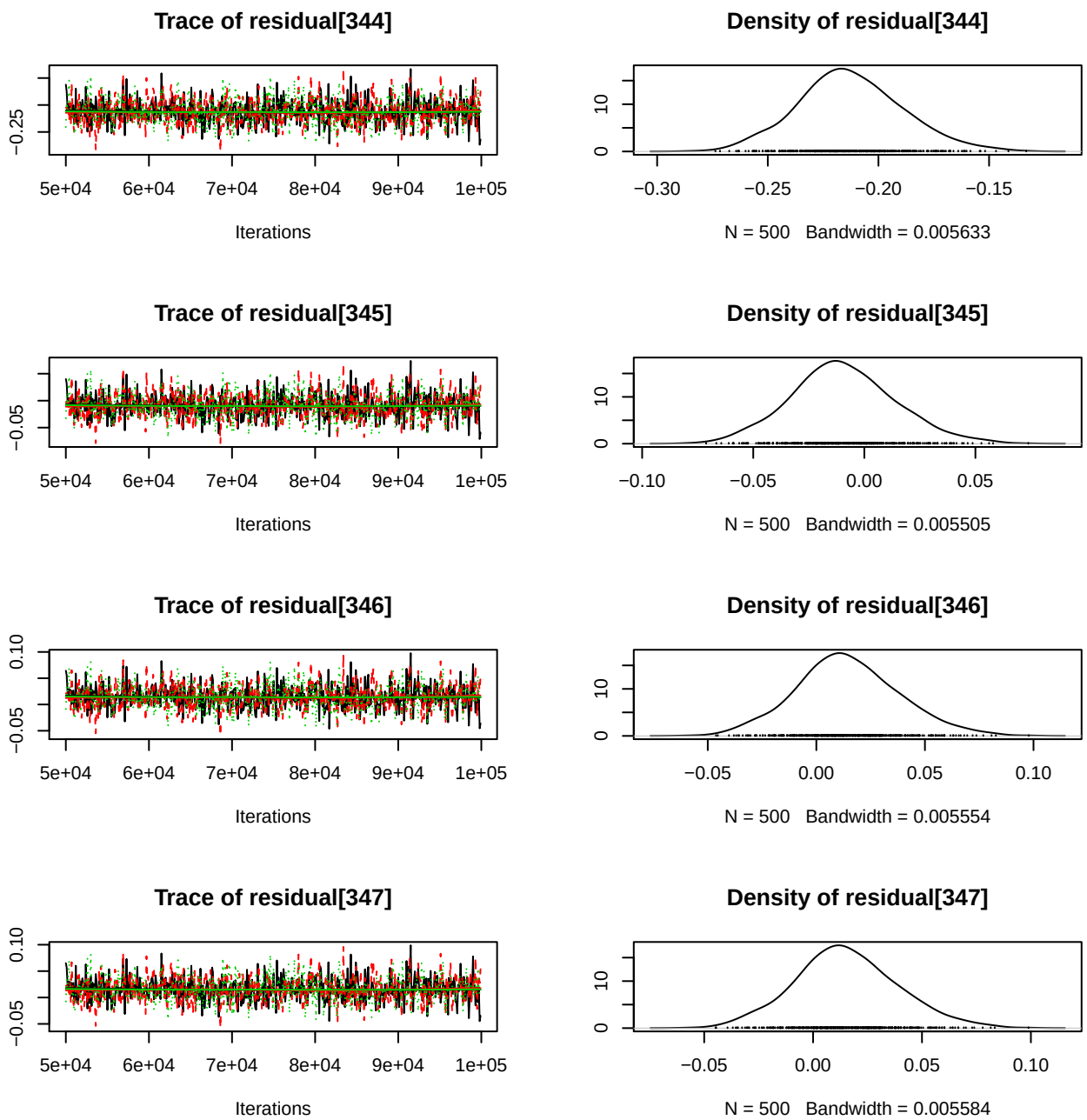

Trace of residual[326]
Iterations
Density of residual[326]
N = 500 Bandwidth = 0.00597
Trace of residual[327]
Iterations
Density of residual[327]
N = 500 Bandwidth = 0.00696
Trace of residual[328]
Iterations
Density of residual[328]
N = 500 Bandwidth = 0.01305
Trace of residual[329]
Iterations
Density of residual[329]
N = 500 Bandwidth = 0.01331

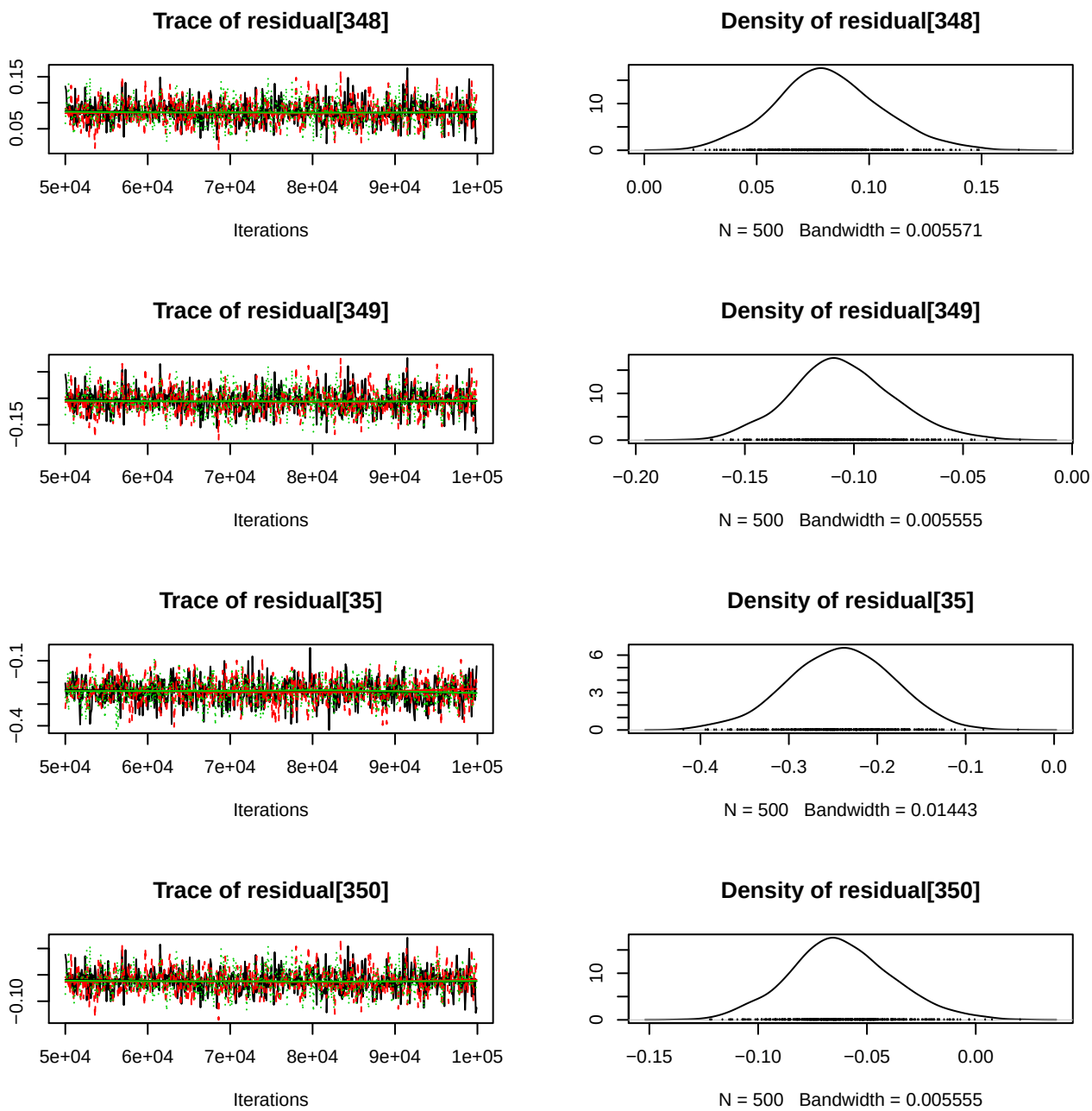

Trace of residual[33]
Iterations
Density of residual[33]
N = 500 Bandwidth = 0.005097
Trace of residual[330]
Iterations
Density of residual[330]
N = 500 Bandwidth = 0.009745
Trace of residual[331]
Iterations
Density of residual[331]
N = 500 Bandwidth = 0.01389
Trace of residual[332]
Iterations
Density of residual[332]
N = 500 Bandwidth = 0.009289

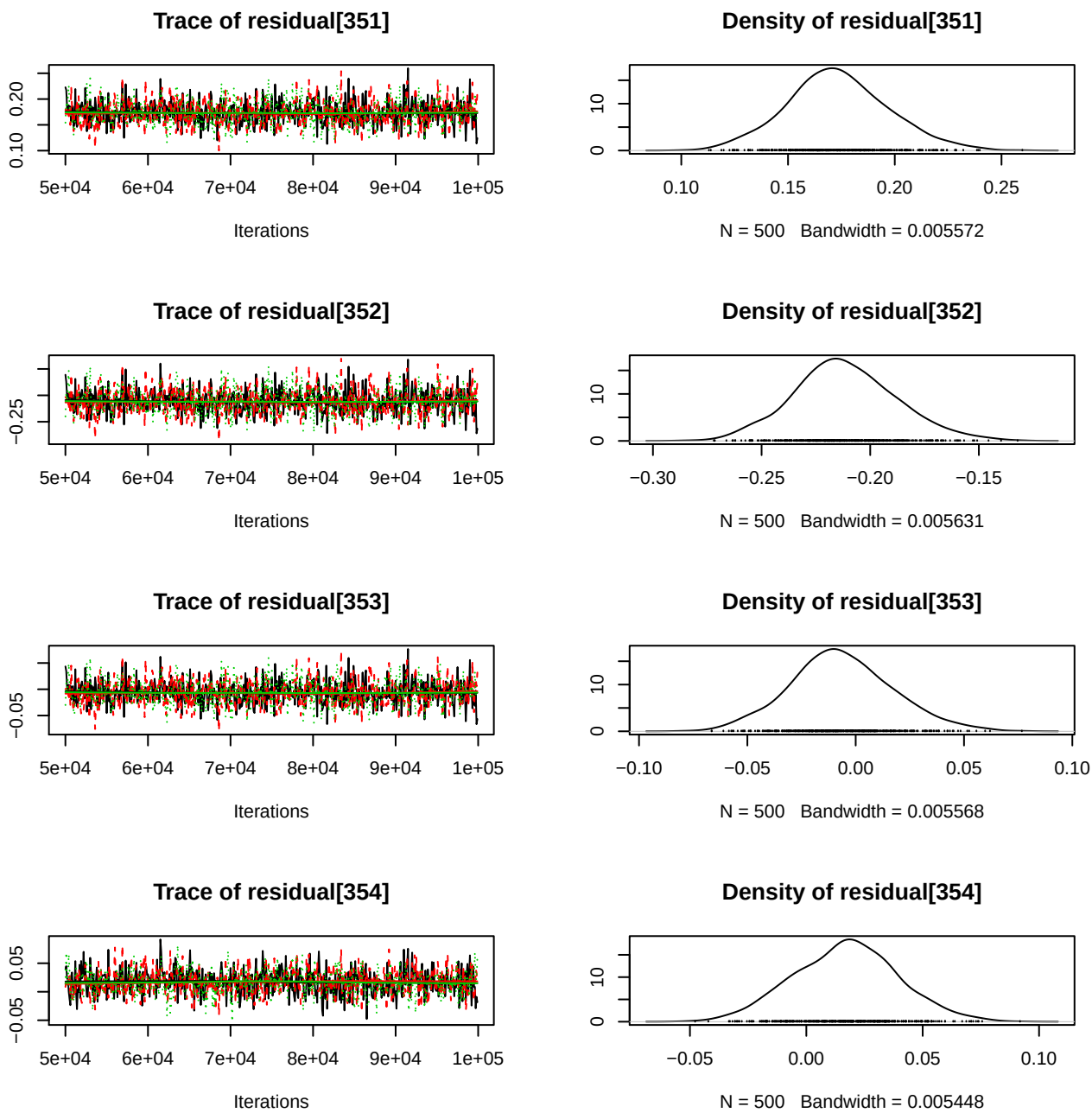

Trace of residual[333]
Iterations
Density of residual[333]
N = 500 Bandwidth = 0.01203
Trace of residual[334]
Iterations
Density of residual[334]
N = 500 Bandwidth = 0.04462
Trace of residual[335]
Iterations
Density of residual[335]
N = 500 Bandwidth = 0.008059
Trace of residual[336]
Iterations
Density of residual[336]
N = 500 Bandwidth = 0.007995

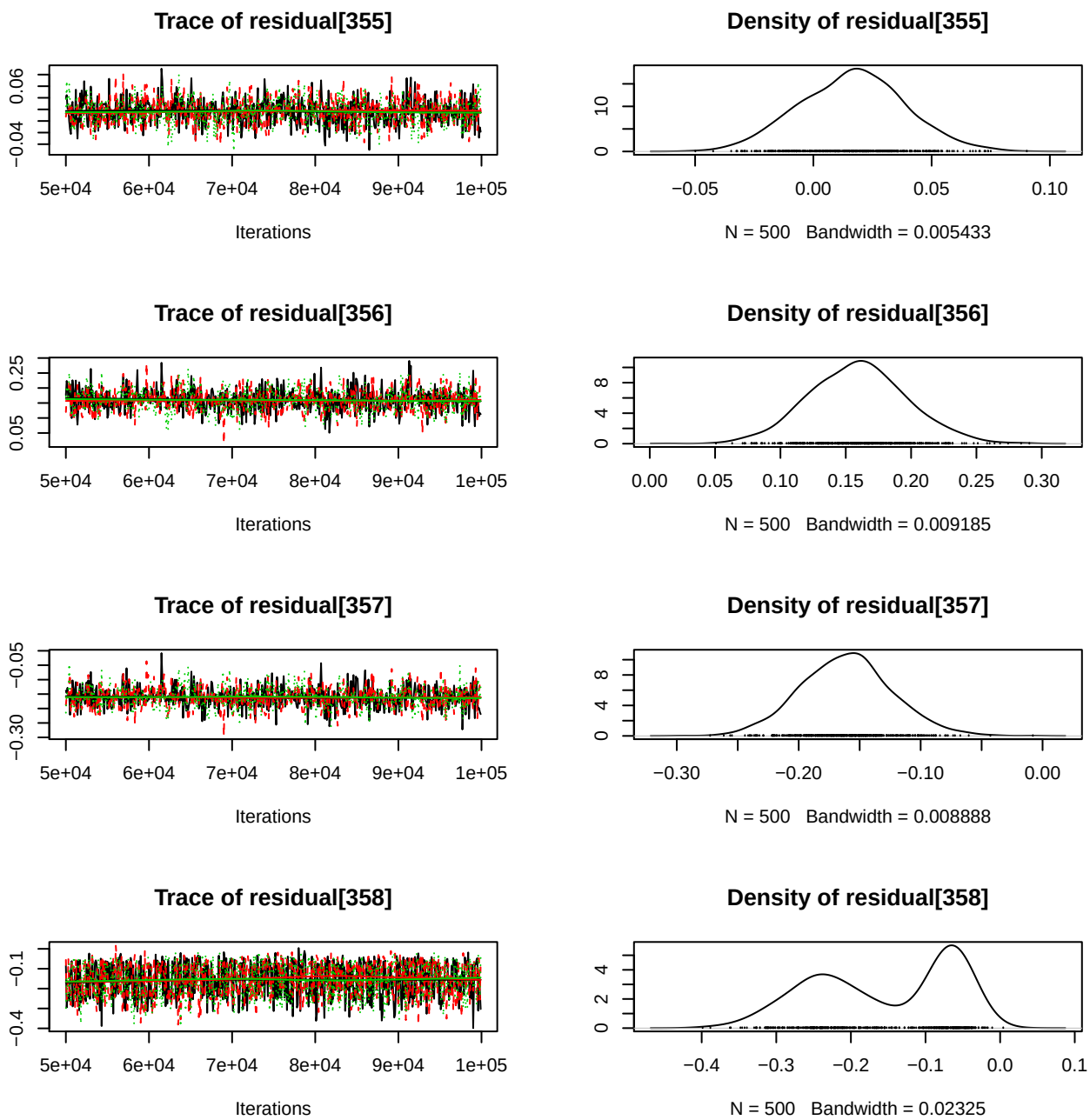

Trace of residual[337]
Iterations
Density of residual[337]
N = 500 Bandwidth = 0.019
Trace of residual[338]
Iterations
Density of residual[338]
N = 500 Bandwidth = 0.01891
Trace of residual[339]
Iterations
Density of residual[339]
N = 500 Bandwidth = 0.006485
Trace of residual[34]
Iterations
Density of residual[34]
N = 500 Bandwidth = 0.008454

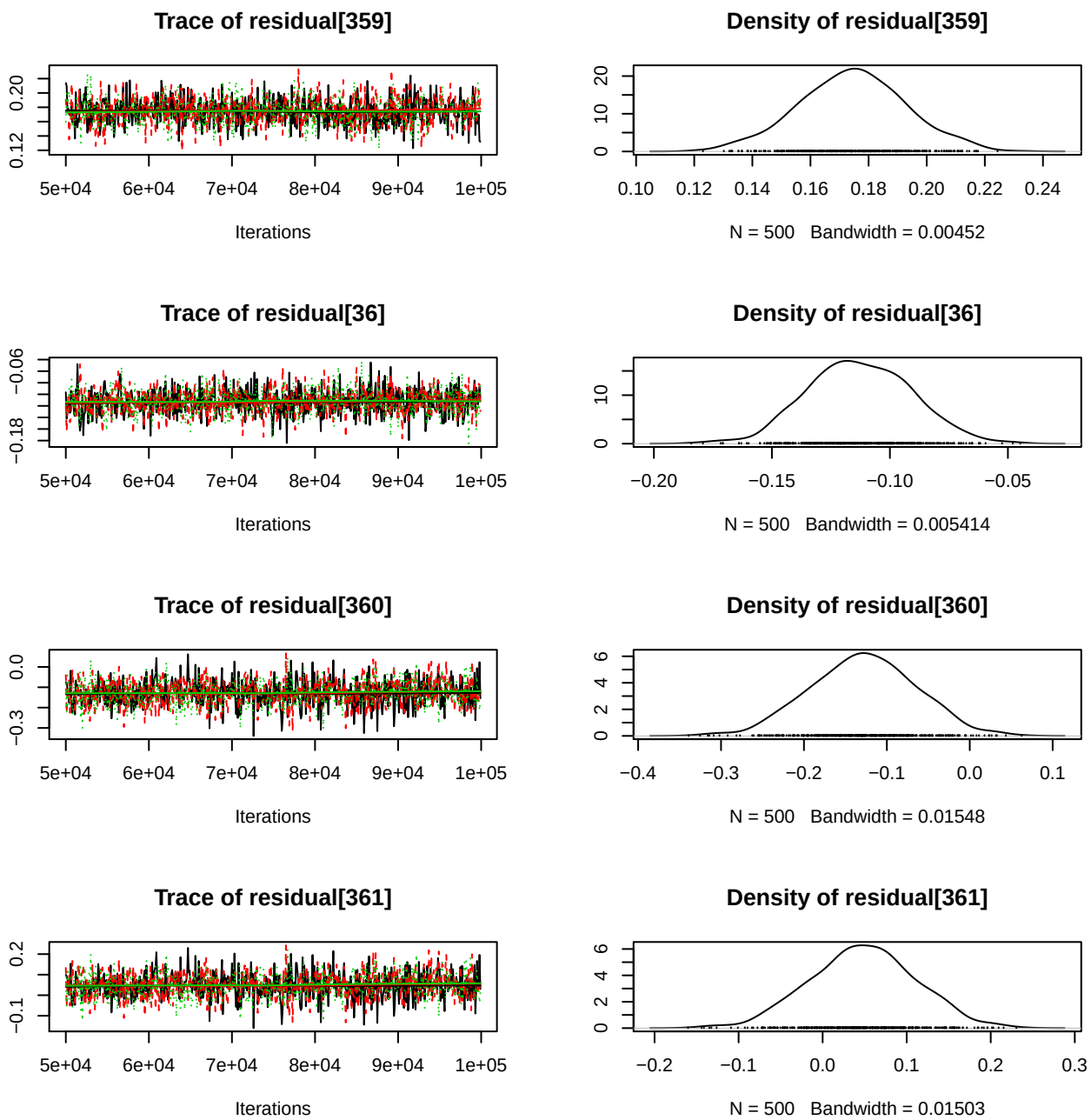

Trace of residual[340]
Iterations
Density of residual[340]
N = 500 Bandwidth = 0.01222
Trace of residual[341]
Iterations
Density of residual[341]
N = 500 Bandwidth = 0.01213
Trace of residual[342]
Iterations
Density of residual[342]
N = 500 Bandwidth = 0.01204
Trace of residual[343]
Iterations
Density of residual[343]
N = 500 Bandwidth = 0.005515

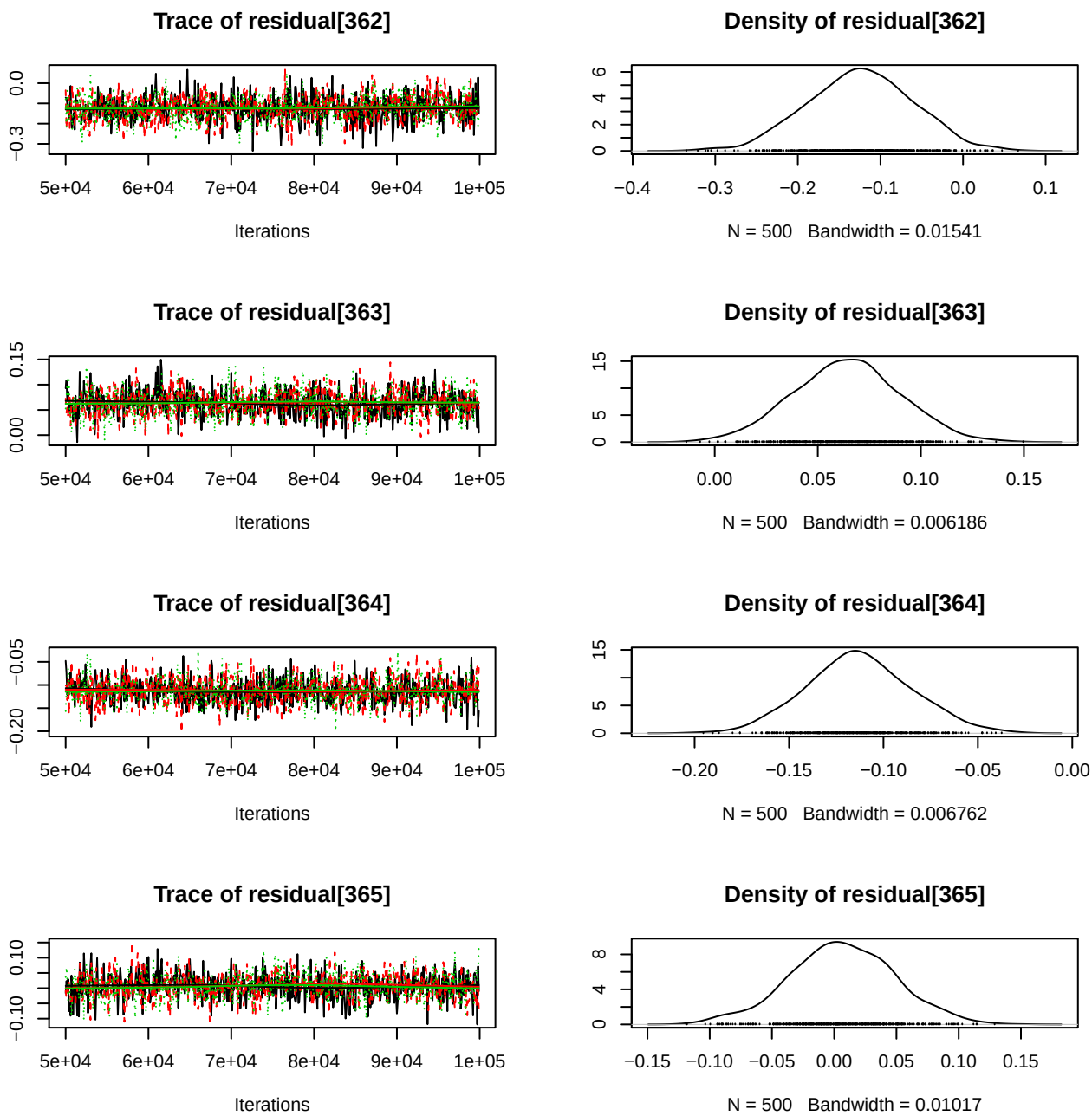

Trace of residual[344]
−0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[344]
0
10
−0.30
−0.25
−0.20
−0.15
N = 500 Bandwidth = 0.005633
Trace of residual[345]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[345]
0
10
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.005505
Trace of residual[346]
0.10
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[346]
0
10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.005554
Trace of residual[347]
0.10
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[347]
0
10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.005584

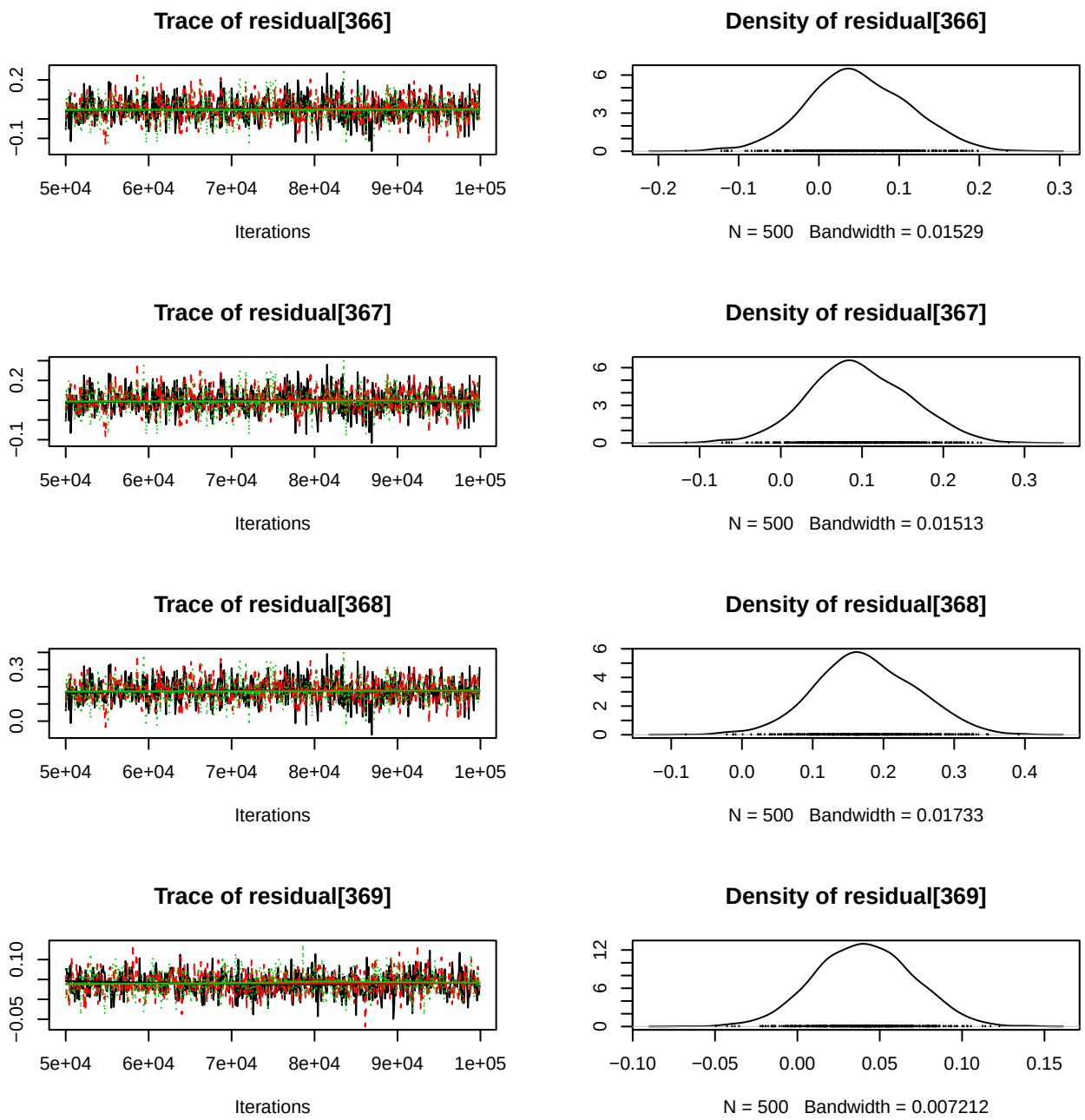

Trace of residual[348]
0.05
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[348]
0
10
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.005571
Trace of residual[349]
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[349]
0
10
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005555
Trace of residual[35]
−0.4
−0.1
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[35]
0
3
6
−0.4
−0.3
−0.2
−0.1
0.0
N = 500 Bandwidth = 0.01443
Trace of residual[350]
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[350]
0
10
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005555

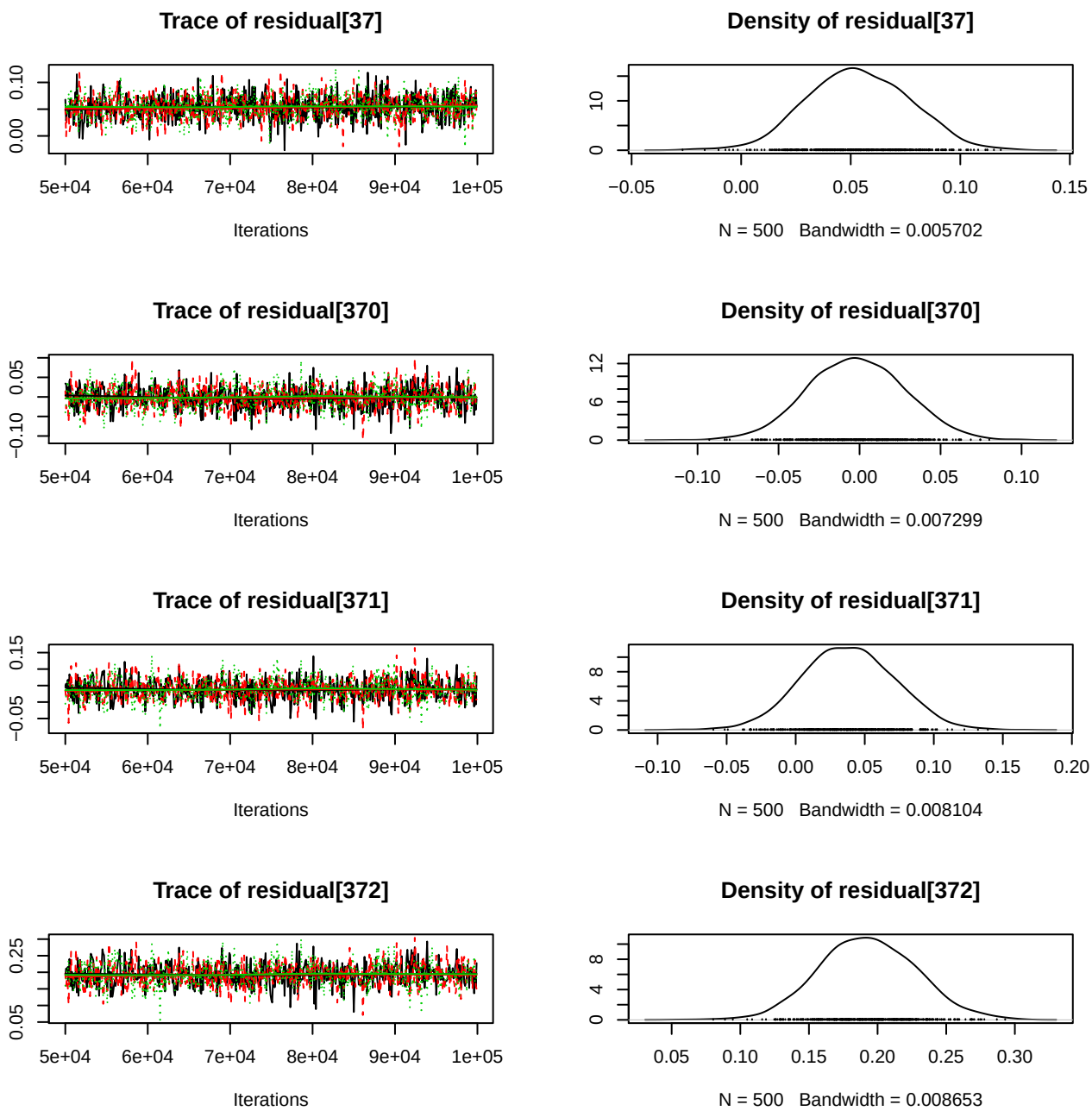

Trace of residual[351]
0.10
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[351]
0
10
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.005572
Trace of residual[352]
−0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[352]
0
10
−0.30
−0.25
−0.20
−0.15
N = 500 Bandwidth = 0.005631
Trace of residual[353]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[353]
0
10
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.005568
Trace of residual[354]
−0.05
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[354]
0
10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.005448

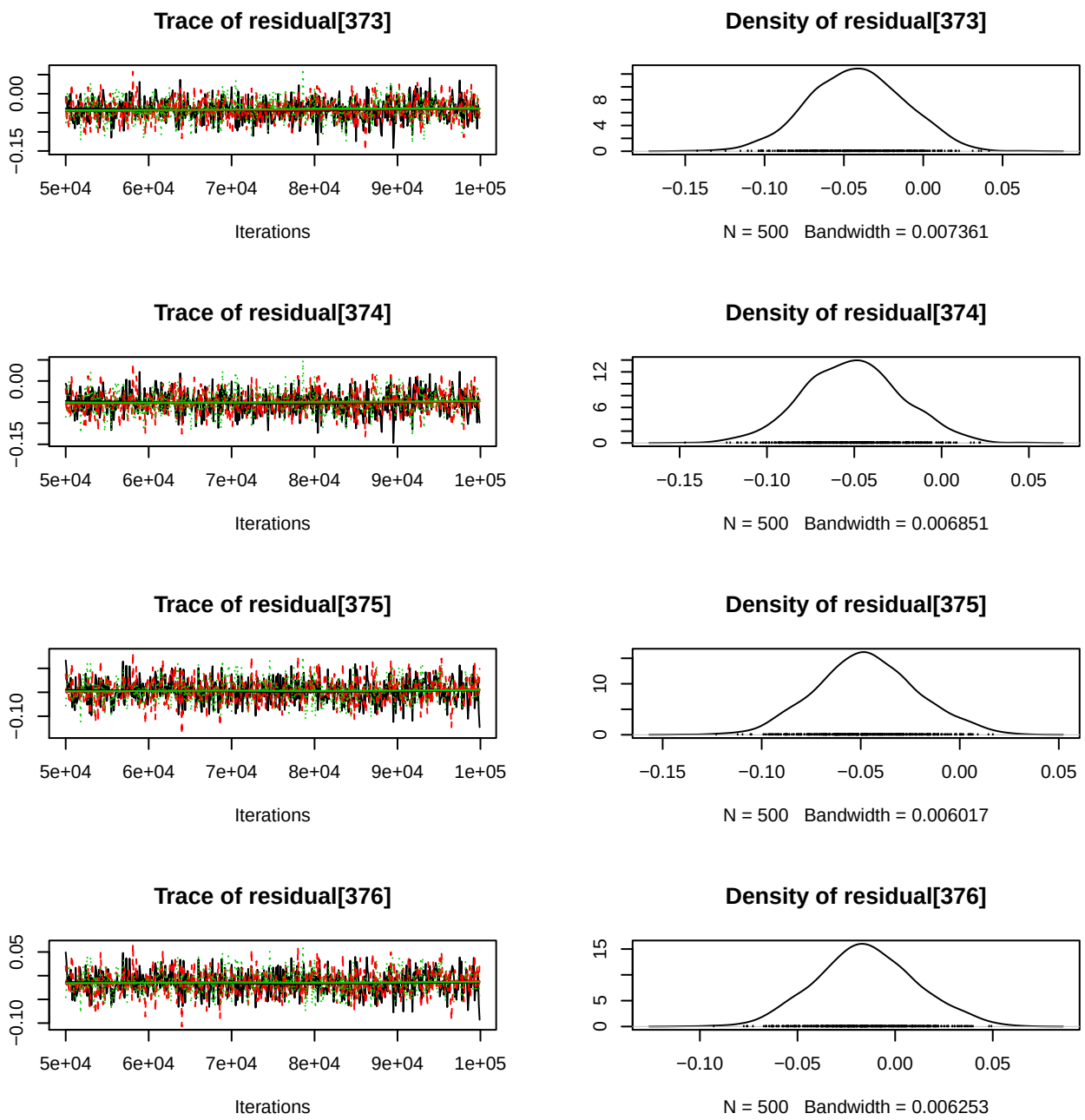

Trace of residual[355]
Iterations
Density of residual[355]
N = 500 Bandwidth = 0.005433
Trace of residual[356]
Iterations
Density of residual[356]
N = 500 Bandwidth = 0.009185
Trace of residual[357]
Iterations
Density of residual[357]
N = 500 Bandwidth = 0.008888
Trace of residual[358]
Iterations
Density of residual[358]
N = 500 Bandwidth = 0.02325

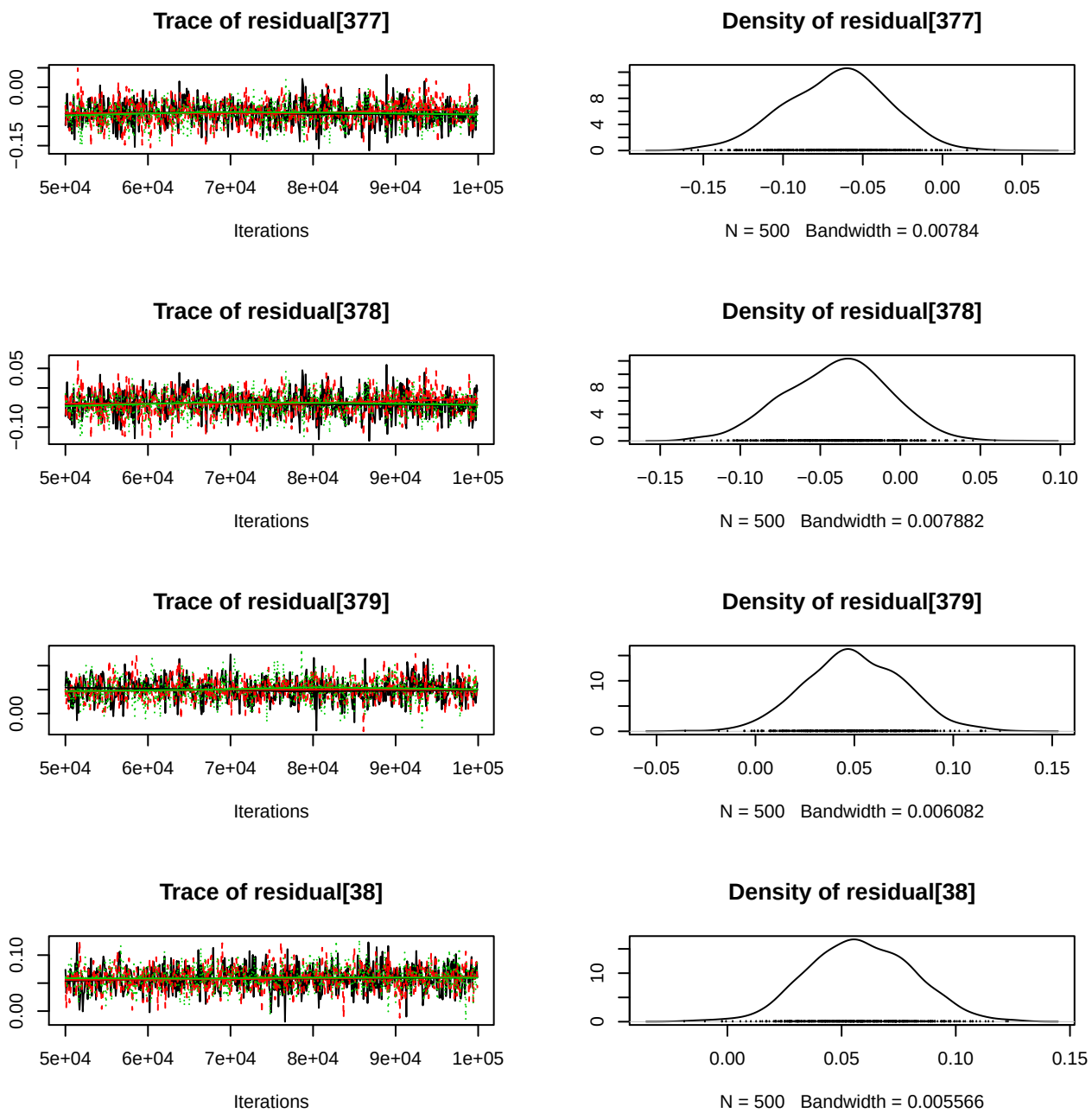

Trace of residual[359]
0.12
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[359]
0
10
20
0.10
0.12
0.14
0.16
0.18
0.20
0.22
0.24
N = 500 Bandwidth = 0.00452
Trace of residual[36]
−0.18
−0.06
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[36]
0
10
−0.20
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.005414
Trace of residual[360]
−0.3
0.0
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[360]
0
2
4
6
−0.4
−0.3
−0.2
−0.1
0.0
0.1
N = 500 Bandwidth = 0.01548
Trace of residual[361]
−0.1
0.2
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[361]
0
2
4
6
−0.2
−0.1
0.0
0.1
0.2
0.3
N = 500 Bandwidth = 0.01503

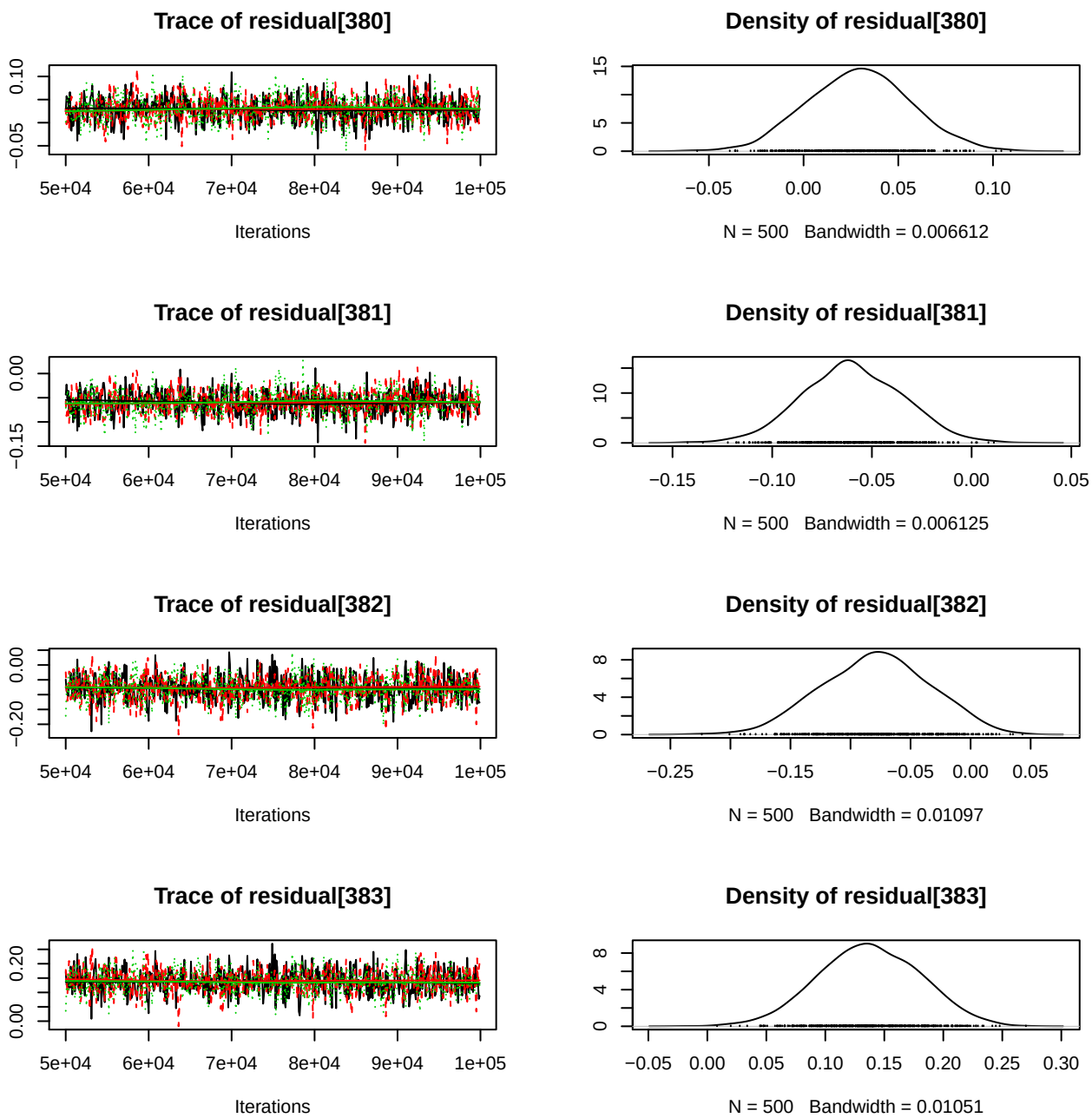

Trace of residual[362]
Iterations
Density of residual[362]
N = 500 Bandwidth = 0.01541
Trace of residual[363]
Iterations
Density of residual[363]
N = 500 Bandwidth = 0.006186
Trace of residual[364]
Iterations
Density of residual[364]
N = 500 Bandwidth = 0.006762
Trace of residual[365]
Iterations
Density of residual[365]
N = 500 Bandwidth = 0.01017

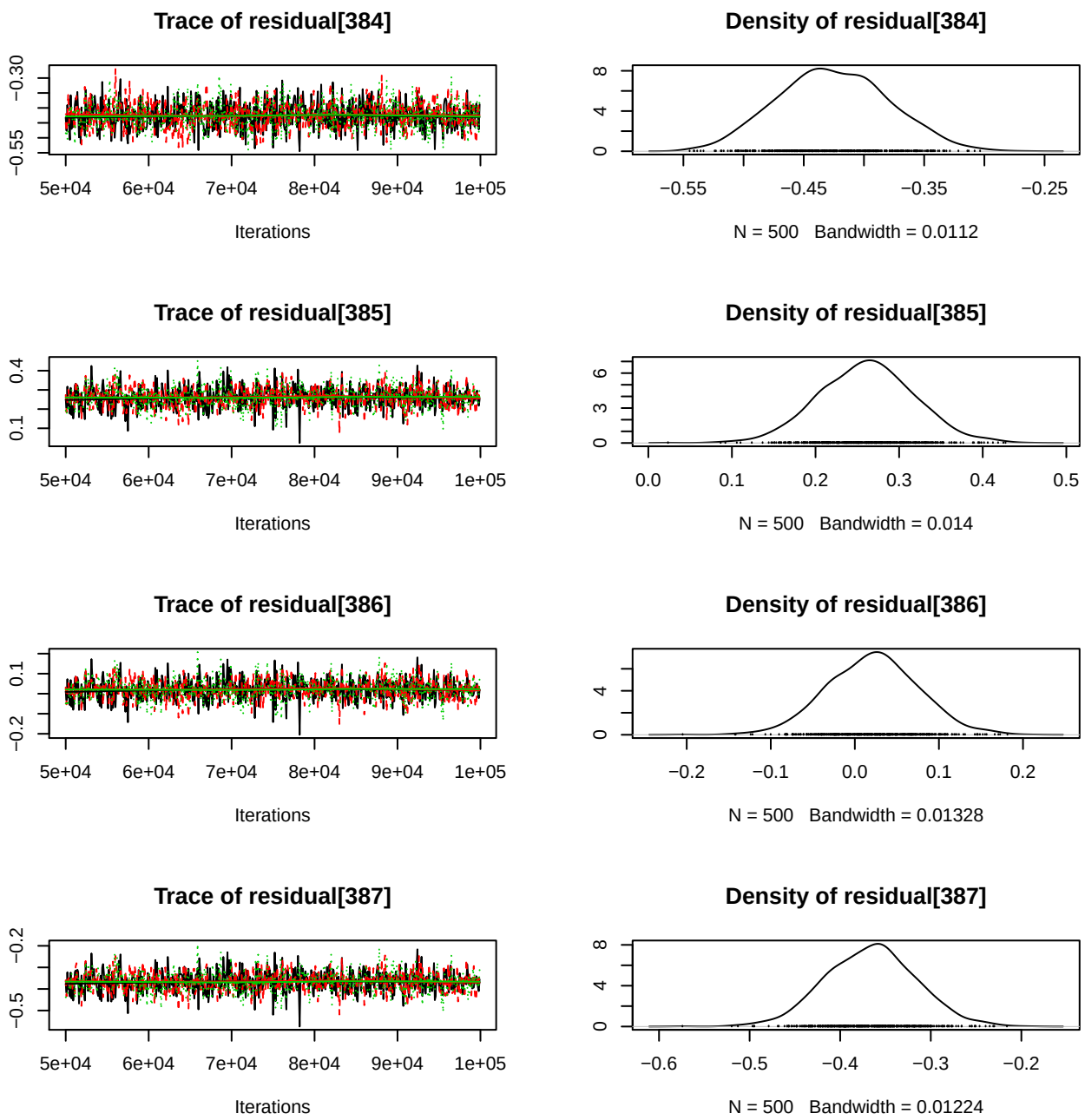

Trace of residual[366]
Iterations
Density of residual[366]
N = 500 Bandwidth = 0.01529
Trace of residual[367]
Iterations
Density of residual[367]
N = 500 Bandwidth = 0.01513
Trace of residual[368]
Iterations
Density of residual[368]
N = 500 Bandwidth = 0.01733
Trace of residual[369]
Iterations
Density of residual[369]
N = 500 Bandwidth = 0.007212

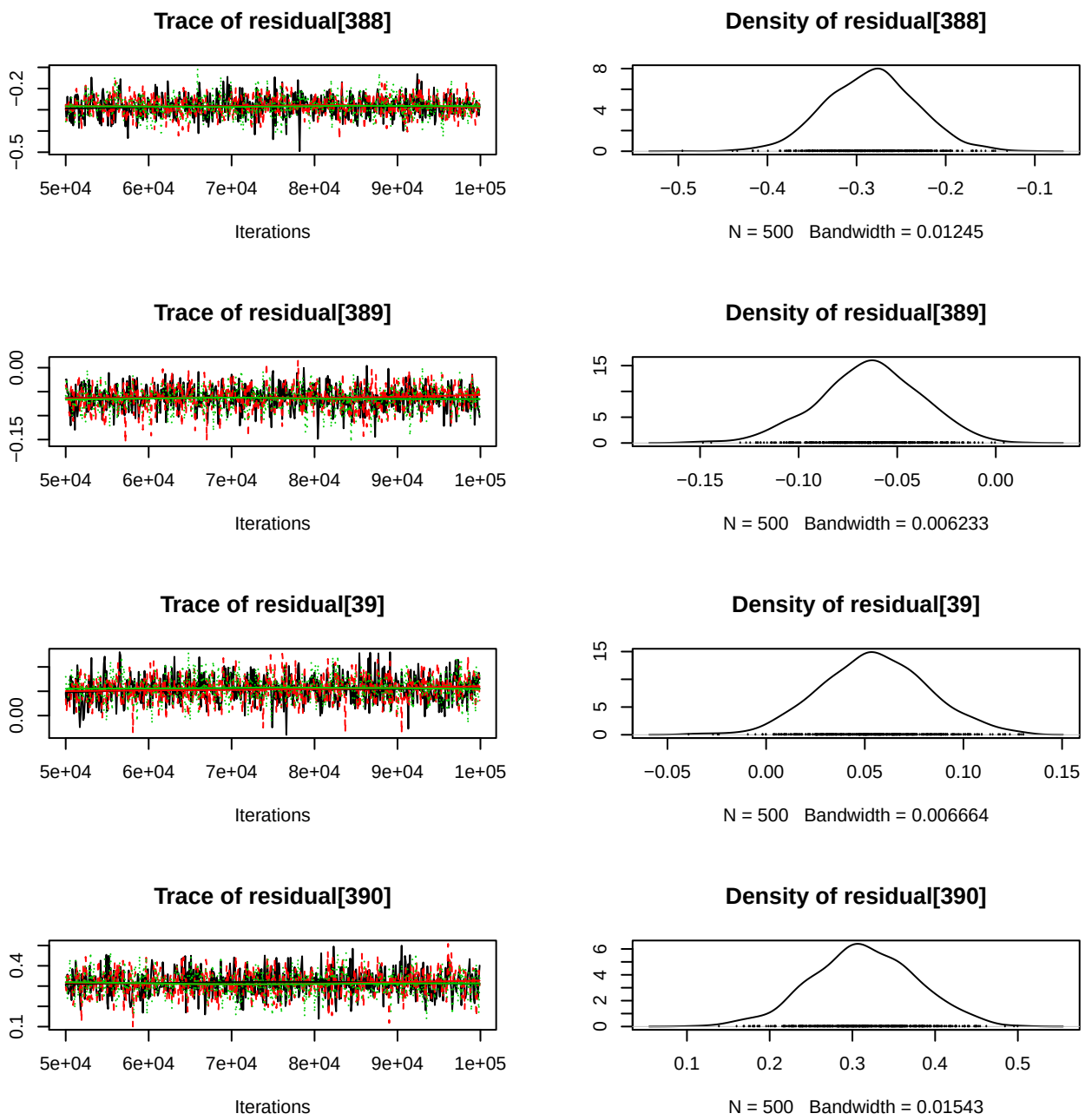

Trace of residual[37]
Iterations
Density of residual[37]
N = 500 Bandwidth = 0.005702
Trace of residual[370]
Iterations
Density of residual[370]
N = 500 Bandwidth = 0.007299
Trace of residual[371]
Iterations
Density of residual[371]
N = 500 Bandwidth = 0.008104
Trace of residual[372]
Iterations
Density of residual[372]
N = 500 Bandwidth = 0.008653

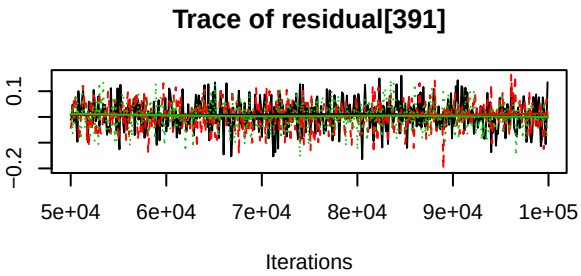

Trace of residual[373]
Iterations
Density of residual[373]
N = 500 Bandwidth = 0.007361
Trace of residual[374]
Iterations
Density of residual[374]
N = 500 Bandwidth = 0.006851
Trace of residual[375]
Iterations
Density of residual[375]
N = 500 Bandwidth = 0.006017
Trace of residual[376]
Iterations
Density of residual[376]
N = 500 Bandwidth = 0.006253

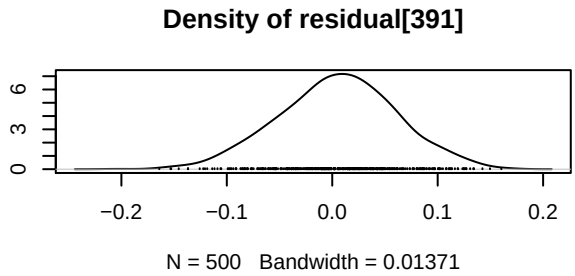

Trace of residual[377]
Iterations
Density of residual[377]
N = 500 Bandwidth = 0.00784
Trace of residual[378]
Iterations
Density of residual[378]
N = 500 Bandwidth = 0.007882
Trace of residual[379]
Iterations
Density of residual[379]
N = 500 Bandwidth = 0.006082
Trace of residual[38]
Iterations
Density of residual[38]
N = 500 Bandwidth = 0.005566

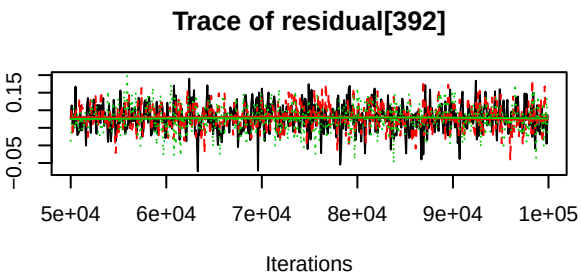

Trace of residual[380]
Iterations
Density of residual[380]
N = 500 Bandwidth = 0.006612
Trace of residual[381]
Iterations
Density of residual[381]
N = 500 Bandwidth = 0.006125
Trace of residual[382]
Iterations
Density of residual[382]
N = 500 Bandwidth = 0.01097
Trace of residual[383]
Iterations
Density of residual[383]
N = 500 Bandwidth = 0.01051

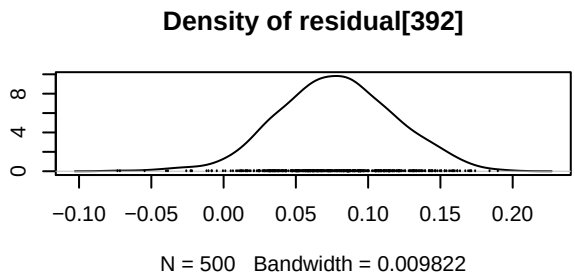

Trace of residual[384]
−0.55
−0.30
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[384]
0
4
8
−0.55
−0.45
−0.35
−0.25
N = 500 Bandwidth = 0.0112
Trace of residual[385]
0.1
0.4
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[385]
0
3
6
0.0
0.1
0.2
0.3
0.4
0.5
N = 500 Bandwidth = 0.014
Trace of residual[386]
−0.2
0.1
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[386]
0
4
−0.2
−0.1
0.0
0.1
0.2
N = 500 Bandwidth = 0.01328
Trace of residual[387]
−0.5
−0.2
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[387]
0
4
8
−0.6
−0.5
−0.4
−0.3
−0.2
N = 500 Bandwidth = 0.01224

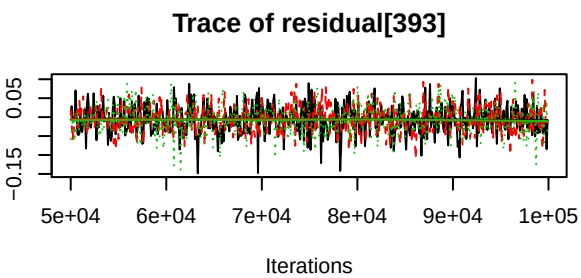

Trace of residual[388]
−0.5
−0.2
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[388]
0
4
8
−0.5
−0.4
−0.3
−0.2
−0.1
N = 500 Bandwidth = 0.01245
Trace of residual[389]
−0.15
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[389]
0
5
15
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.006233
Trace of residual[39]
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[39]
0
5
15
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.006664
Trace of residual[390]
0.1
0.4
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[390]
0
2
4
6
0.1
0.2
0.3
0.4
0.5
N = 500 Bandwidth = 0.01543

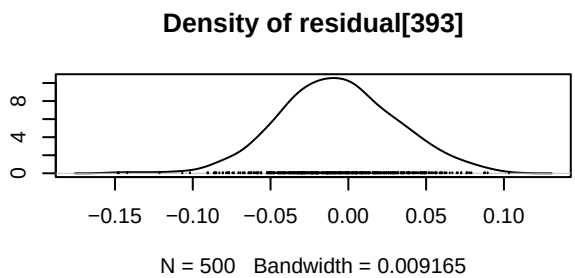

Trace of residual[391]
0.1
−0.2
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

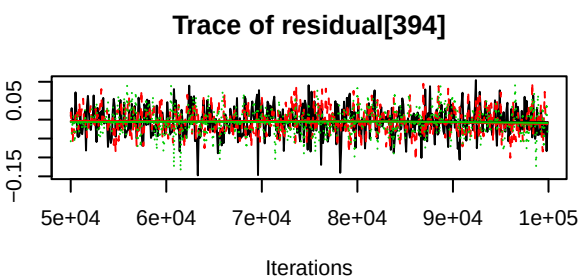

Density of residual[391]
0
3
6
−0.2
−0.1
0.0
0.1
0.2
N = 500 Bandwidth = 0.01371

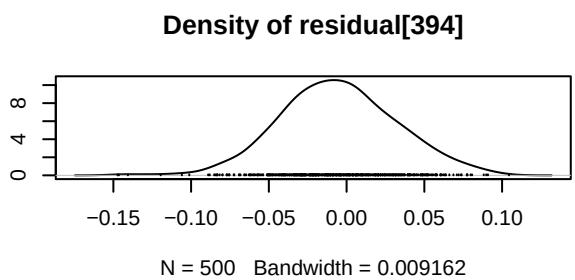

Trace of residual[392]
0.15
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

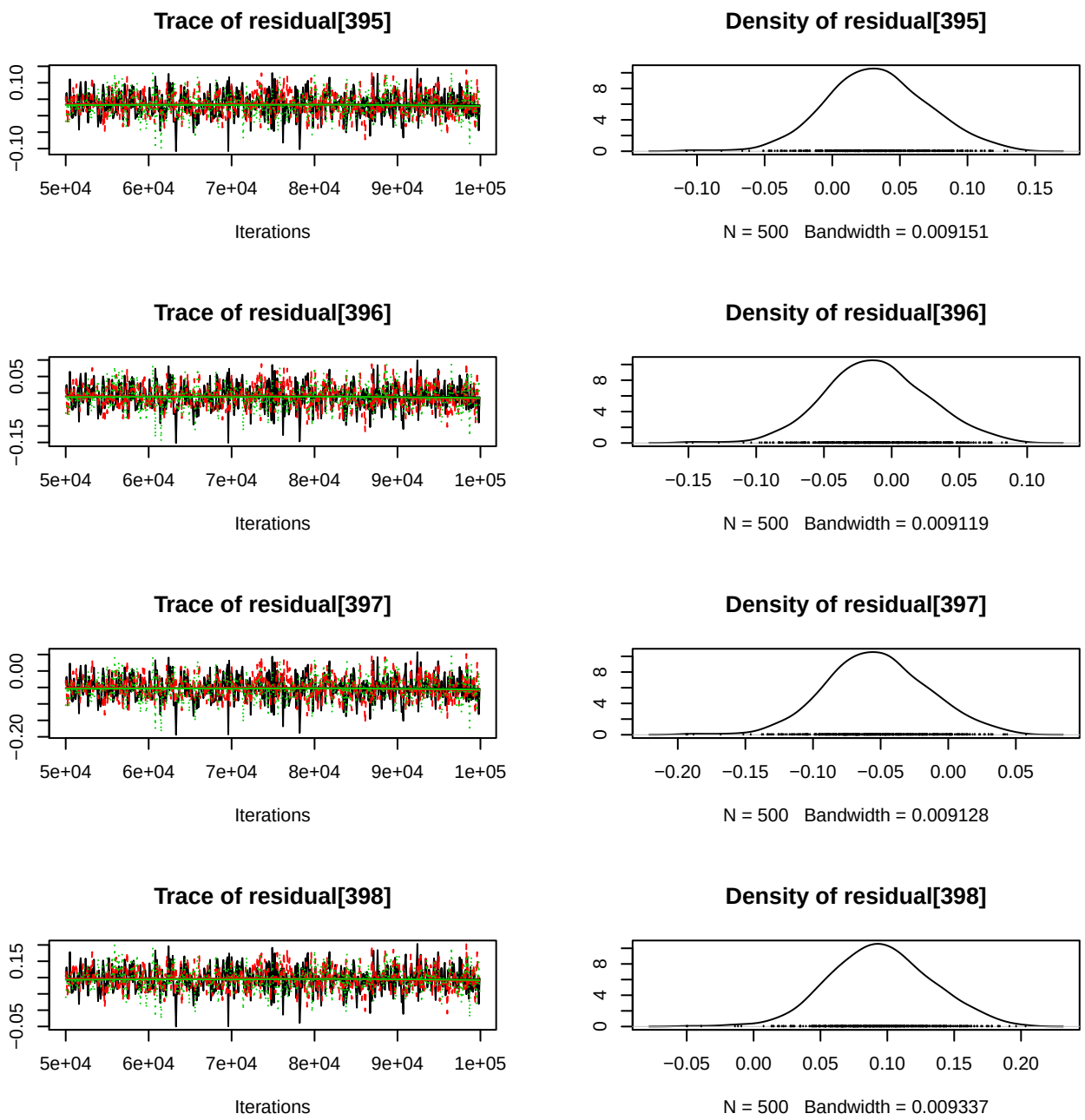

Density of residual[392]
0
4
8
−0.10
−0.05
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.009822

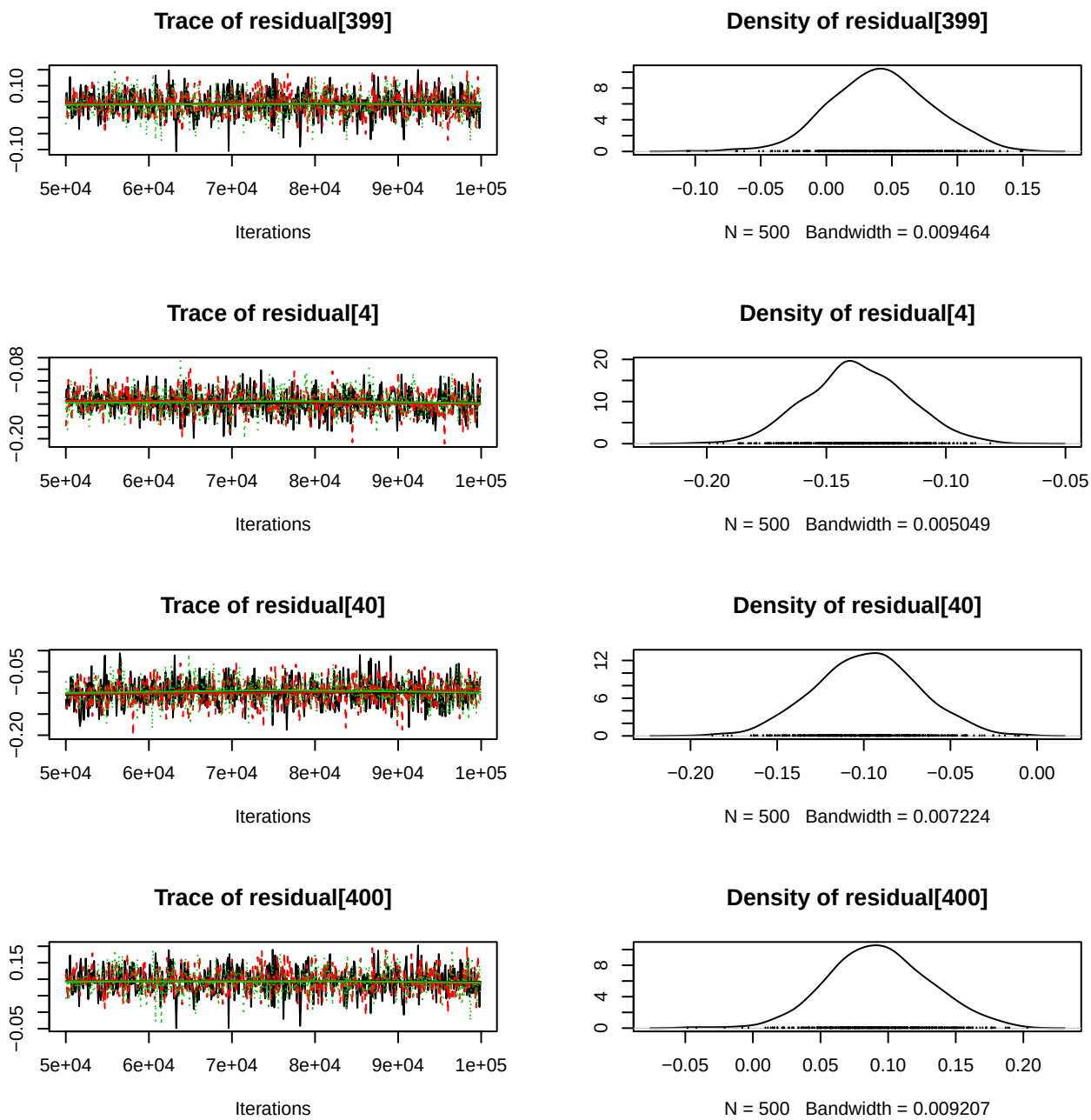

Trace of residual[393]
0.05
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

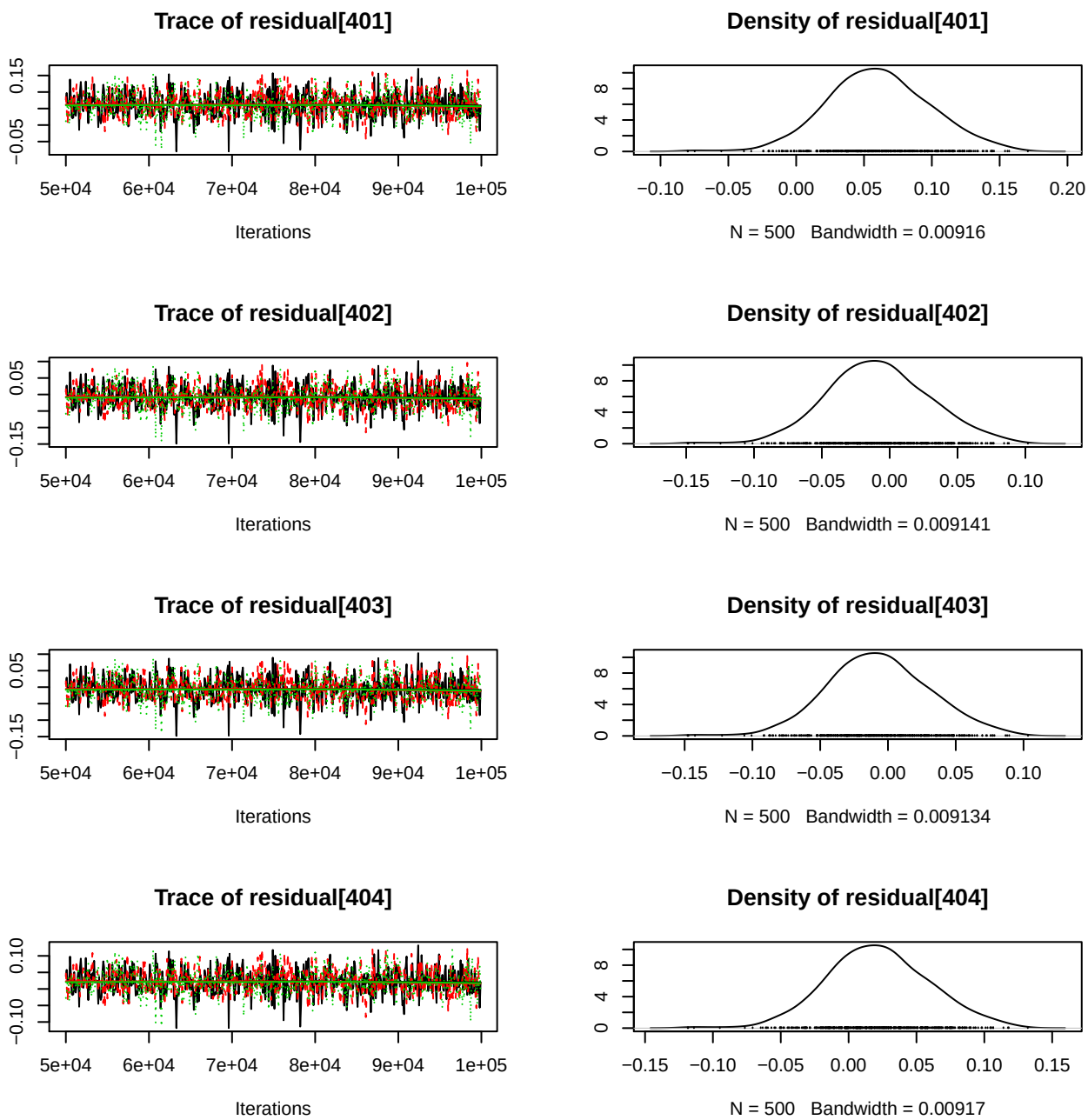

Density of residual[393]
0
4
8
−0.15
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.009165

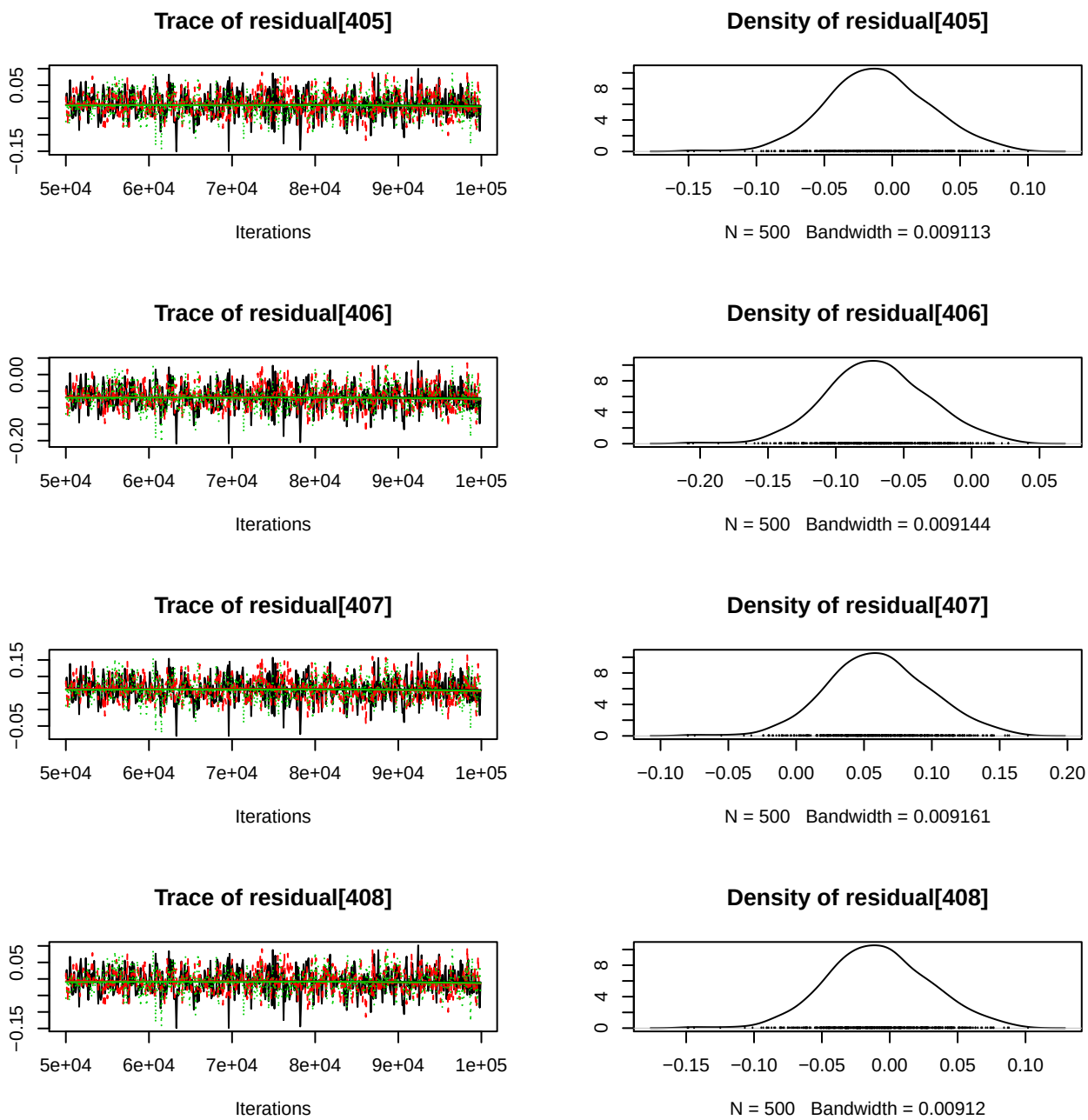

Trace of residual[394]
0.05
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

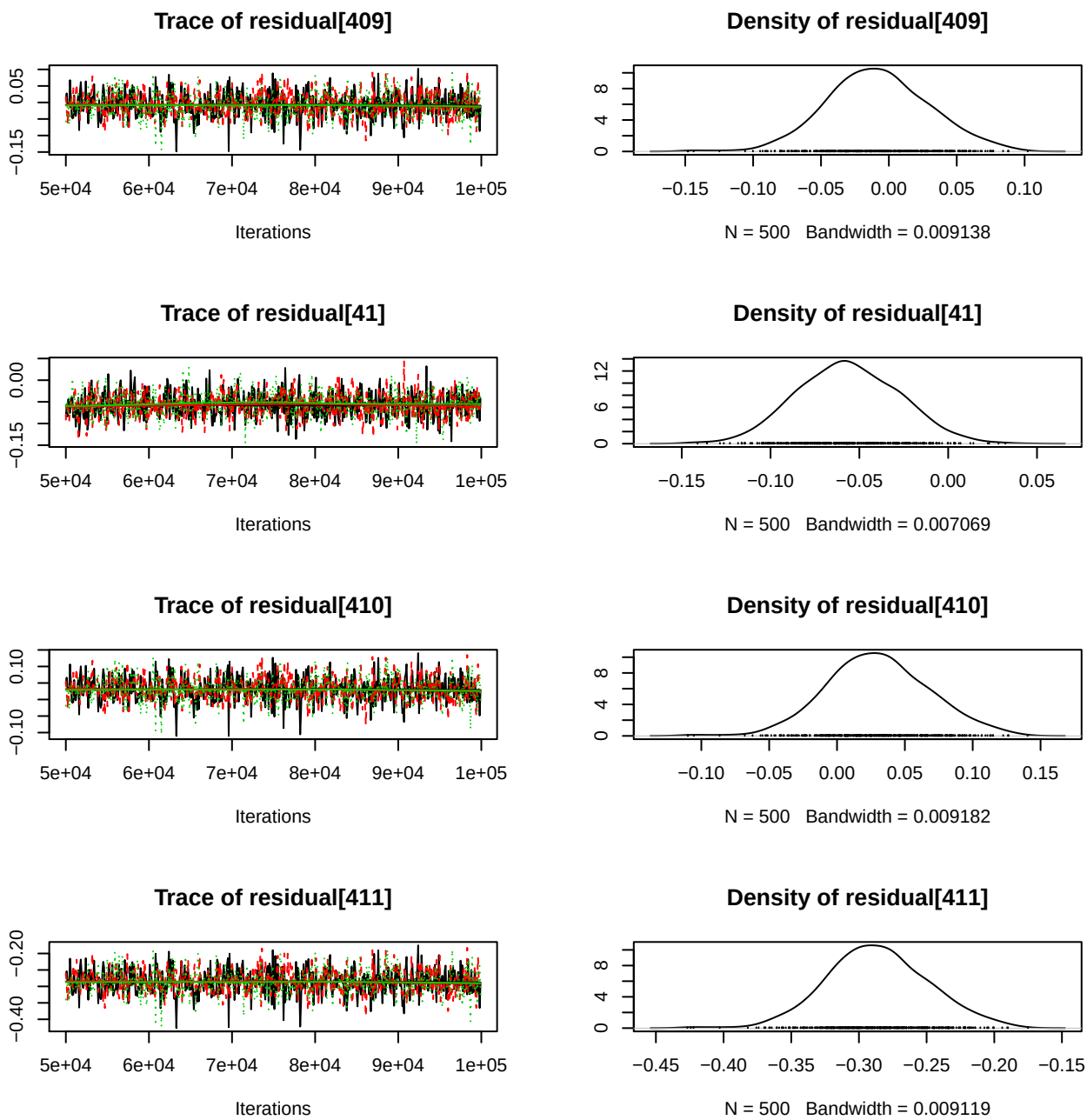

Density of residual[394]
0
4
8
−0.15
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.009162

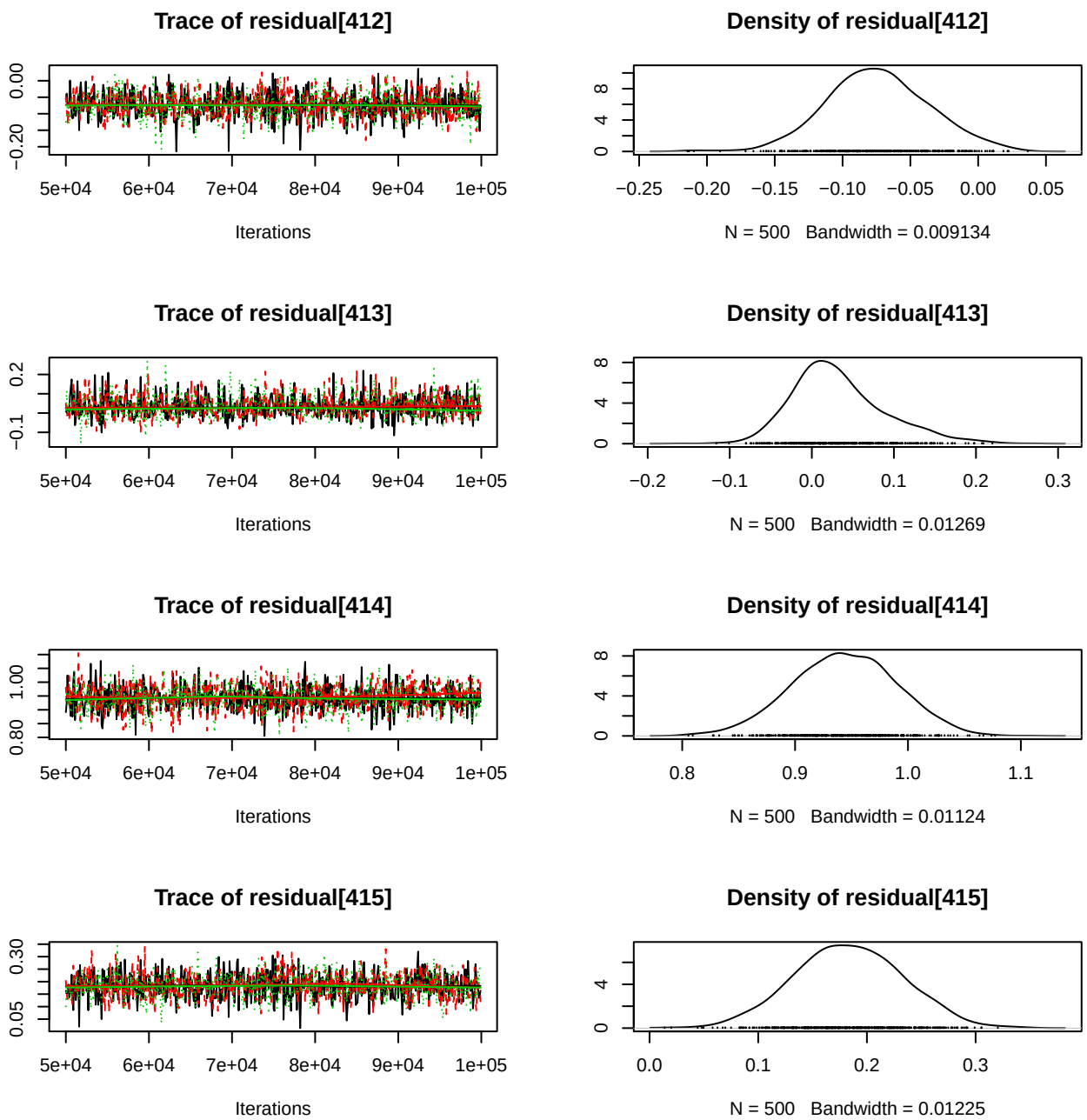

Trace of residual[395]
Iterations
Density of residual[395]
N = 500 Bandwidth = 0.009151
Trace of residual[396]
Iterations
Density of residual[396]
N = 500 Bandwidth = 0.009119
Trace of residual[397]
Iterations
Density of residual[397]
N = 500 Bandwidth = 0.009128
Trace of residual[398]
Iterations
Density of residual[398]
N = 500 Bandwidth = 0.009337

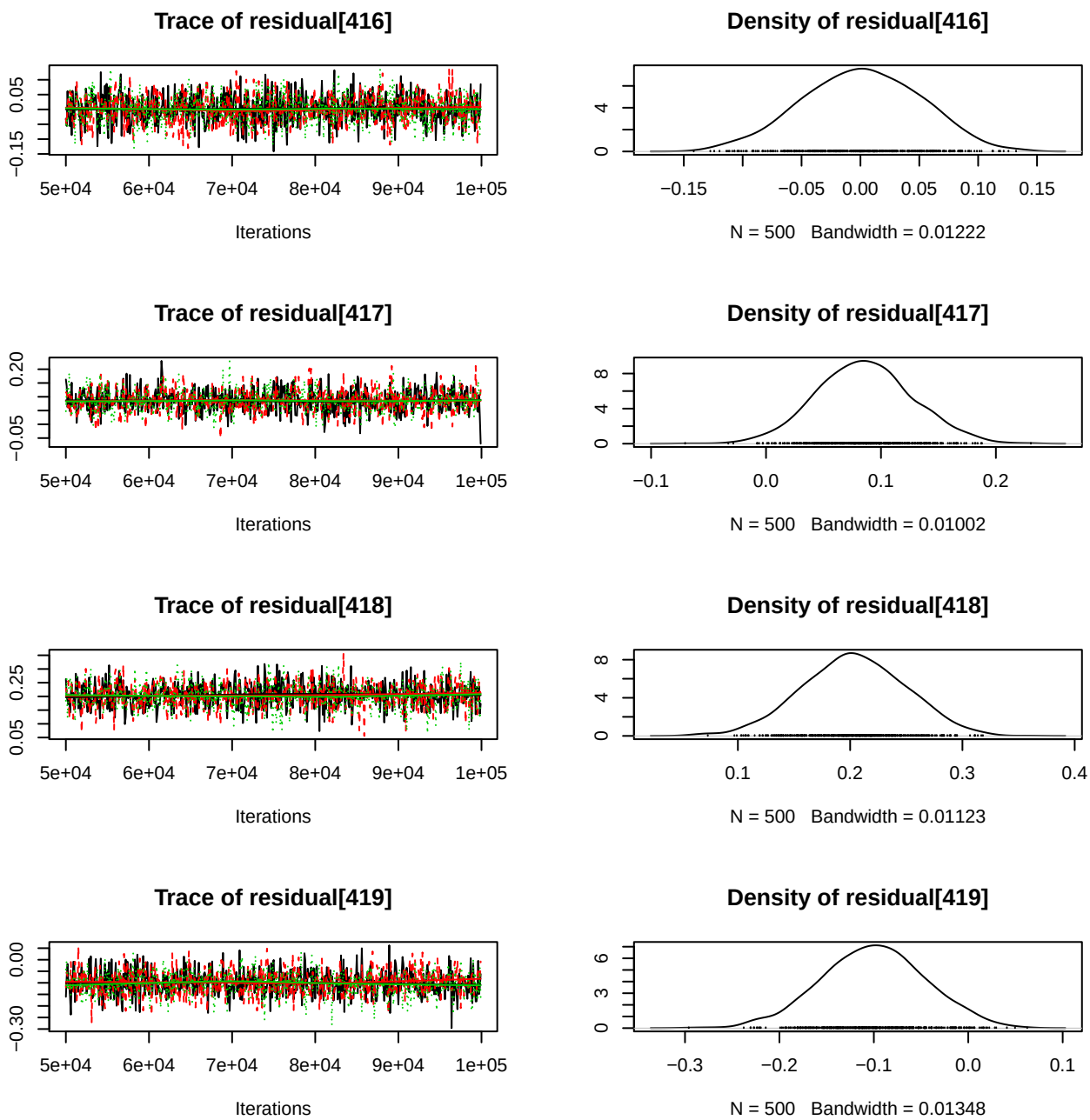

Trace of residual[399]
Iterations
Density of residual[399]
N = 500 Bandwidth = 0.009464
Trace of residual[4]
Iterations
Density of residual[4]
N = 500 Bandwidth = 0.005049
Trace of residual[40]
Iterations
Density of residual[40]
N = 500 Bandwidth = 0.007224
Trace of residual[400]
Iterations
Density of residual[400]
N = 500 Bandwidth = 0.009207

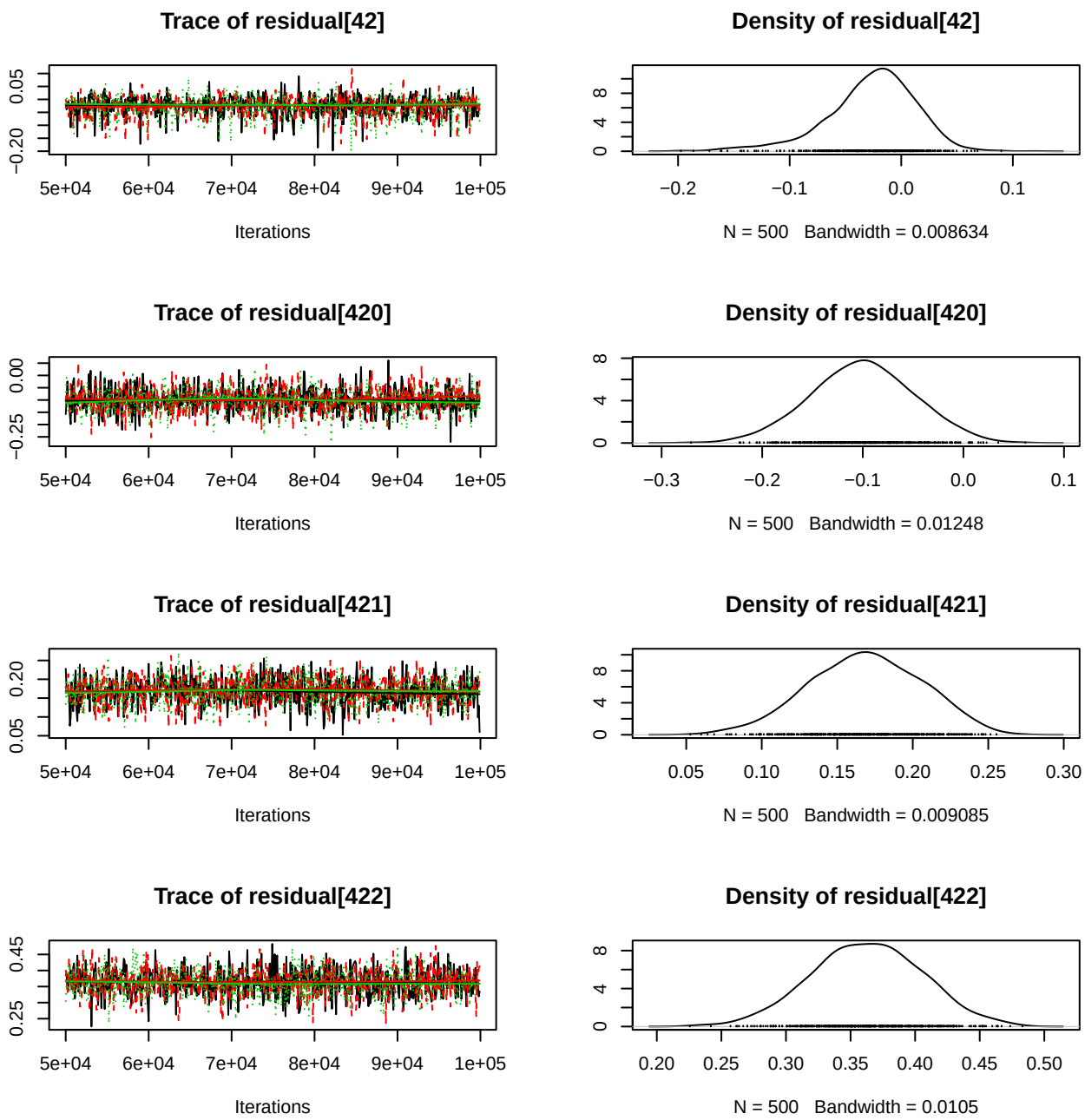

Trace of residual[401]
Iterations
Density of residual[401]
N = 500 Bandwidth = 0.00916
Trace of residual[402]
Iterations
Density of residual[402]
N = 500 Bandwidth = 0.009141
Trace of residual[403]
Iterations
Density of residual[403]
N = 500 Bandwidth = 0.009134
Trace of residual[404]
Iterations
Density of residual[404]
N = 500 Bandwidth = 0.00917

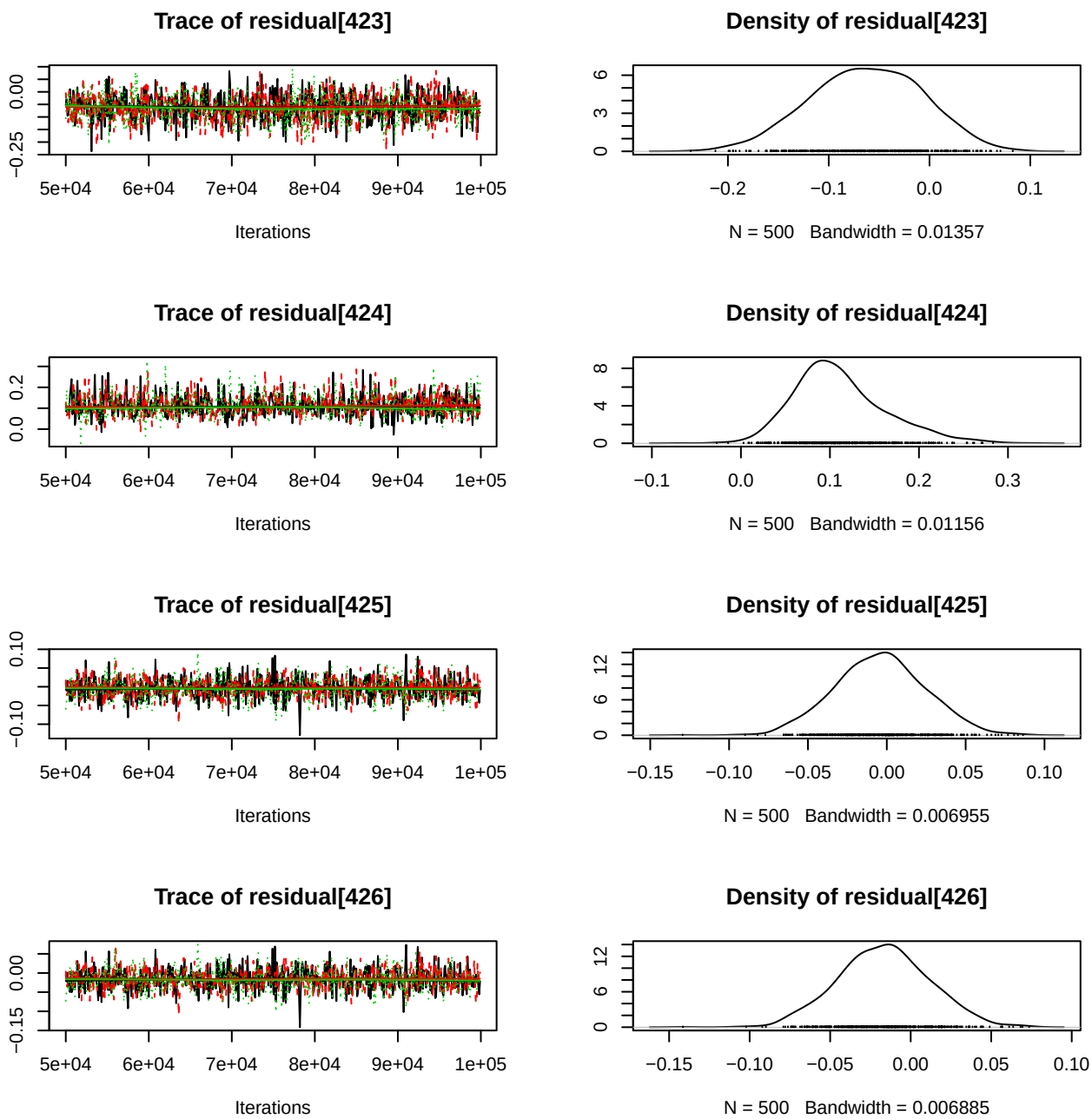

Trace of residual[405]
Iterations
Density of residual[405]
N = 500 Bandwidth = 0.009113
Trace of residual[406]
Iterations
Density of residual[406]
N = 500 Bandwidth = 0.009144
Trace of residual[407]
Iterations
Density of residual[407]
N = 500 Bandwidth = 0.009161
Trace of residual[408]
Iterations
Density of residual[408]
N = 500 Bandwidth = 0.00912

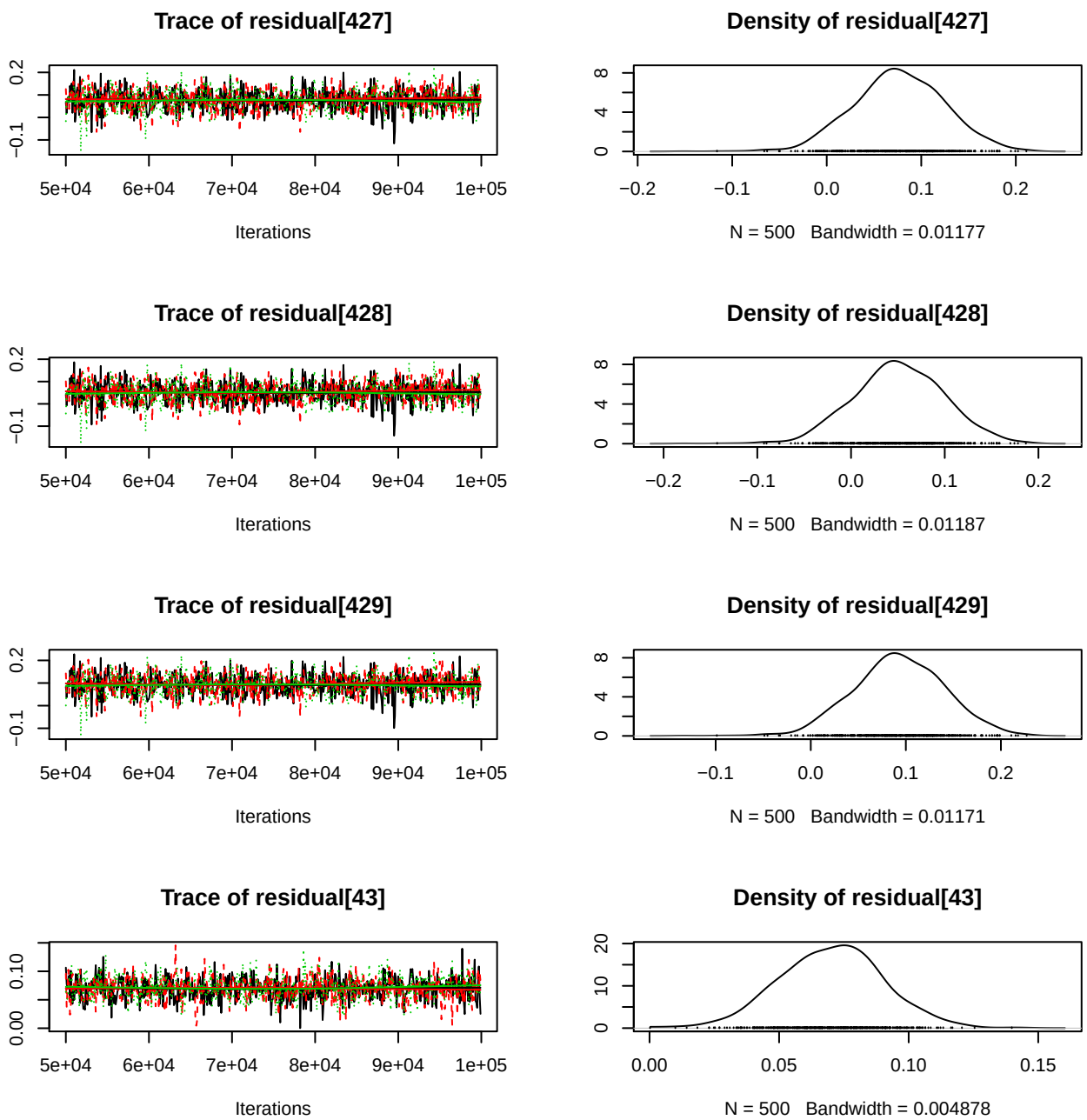

Trace of residual[409]
Iterations
Density of residual[409]
N = 500 Bandwidth = 0.009138
Trace of residual[41]
Iterations
Density of residual[41]
N = 500 Bandwidth = 0.007069
Trace of residual[410]
Iterations
Density of residual[410]
N = 500 Bandwidth = 0.009182
Trace of residual[411]
Iterations
Density of residual[411]
N = 500 Bandwidth = 0.009119

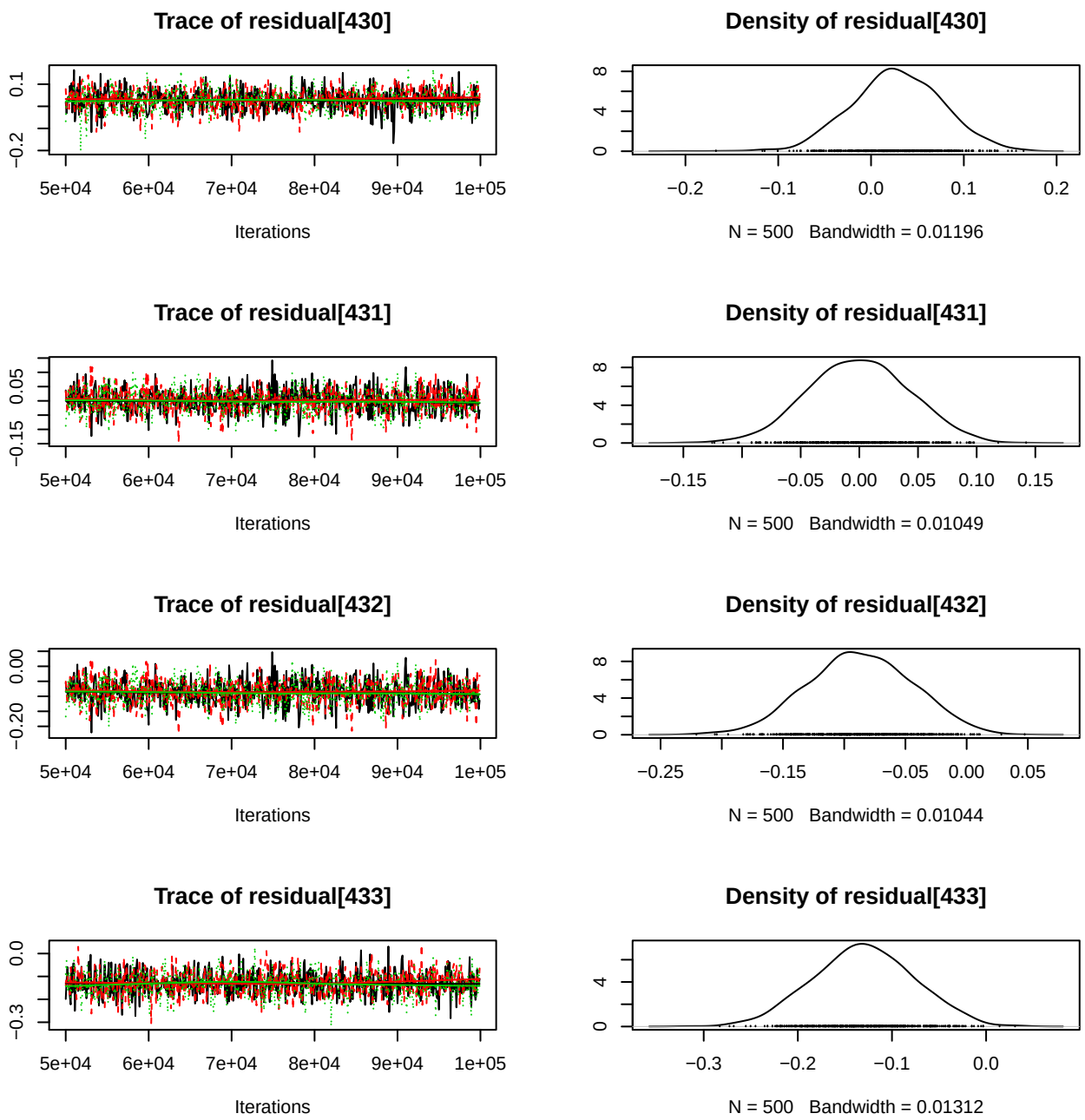

Trace of residual[412]
Iterations
Density of residual[412]
N = 500 Bandwidth = 0.009134
Trace of residual[413]
Iterations
Density of residual[413]
N = 500 Bandwidth = 0.01269
Trace of residual[414]
Iterations
Density of residual[414]
N = 500 Bandwidth = 0.01124
Trace of residual[415]
Iterations
Density of residual[415]
N = 500 Bandwidth = 0.01225

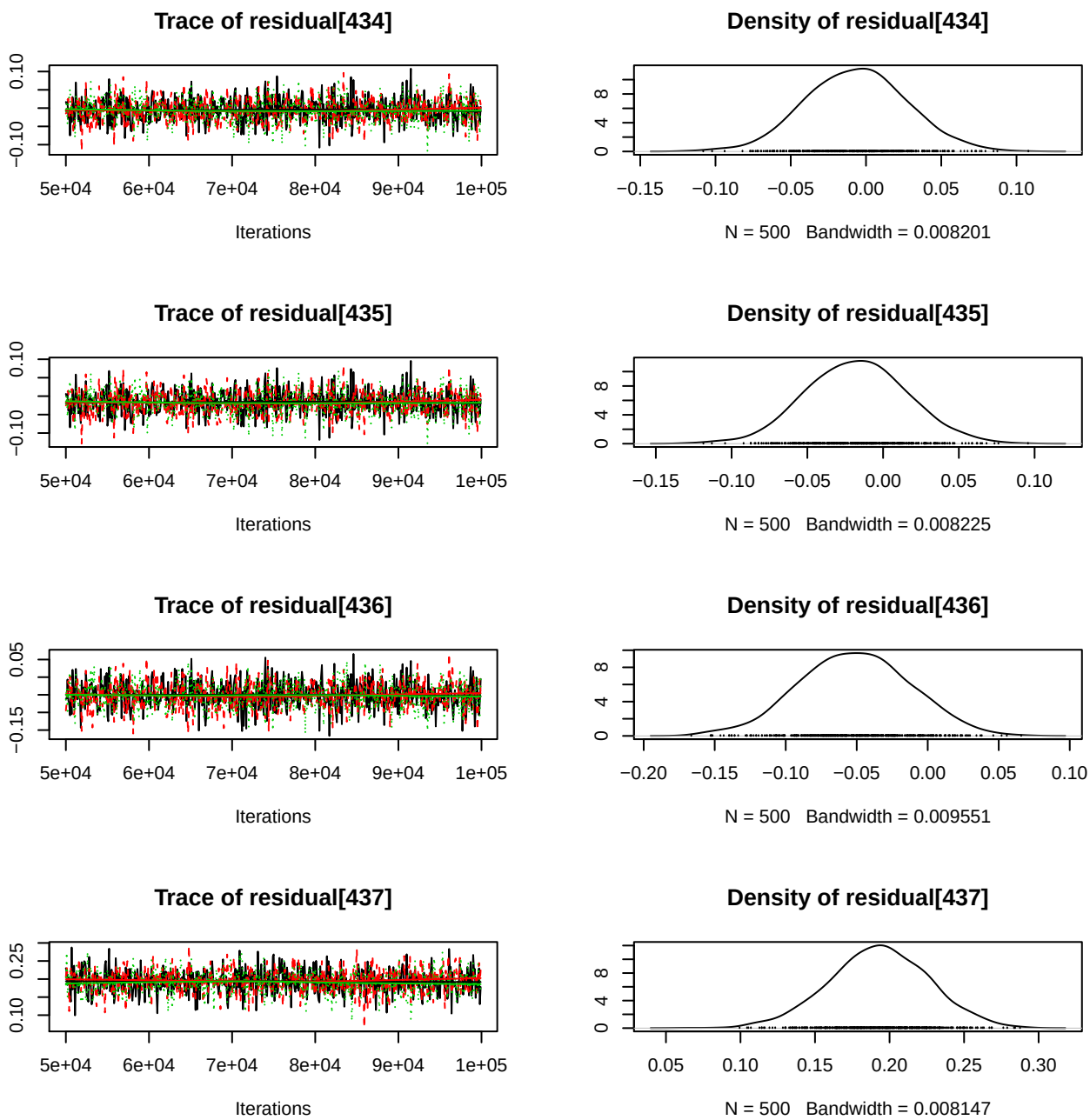

Trace of residual[416]
Iterations
Density of residual[416]
N = 500 Bandwidth = 0.01222
Trace of residual[417]
Iterations
Density of residual[417]
N = 500 Bandwidth = 0.01002
Trace of residual[418]
Iterations
Density of residual[418]
N = 500 Bandwidth = 0.01123
Trace of residual[419]
Iterations
Density of residual[419]
N = 500 Bandwidth = 0.01348

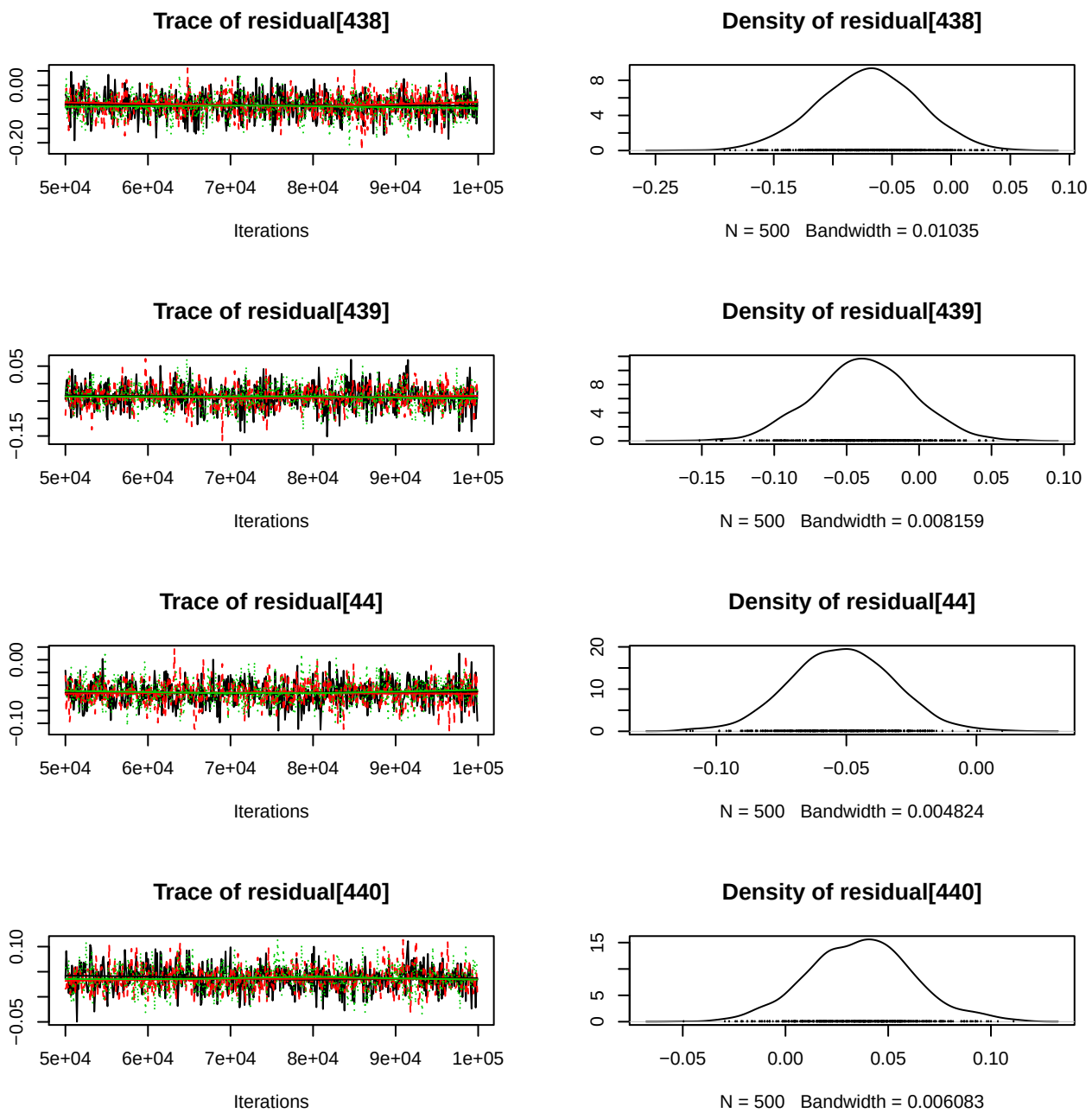

Trace of residual[42]
Iterations
Density of residual[42]
N = 500 Bandwidth = 0.008634
Trace of residual[420]
Iterations
Density of residual[420]
N = 500 Bandwidth = 0.01248
Trace of residual[421]
Iterations
Density of residual[421]
N = 500 Bandwidth = 0.009085
Trace of residual[422]
Iterations
Density of residual[422]
N = 500 Bandwidth = 0.0105

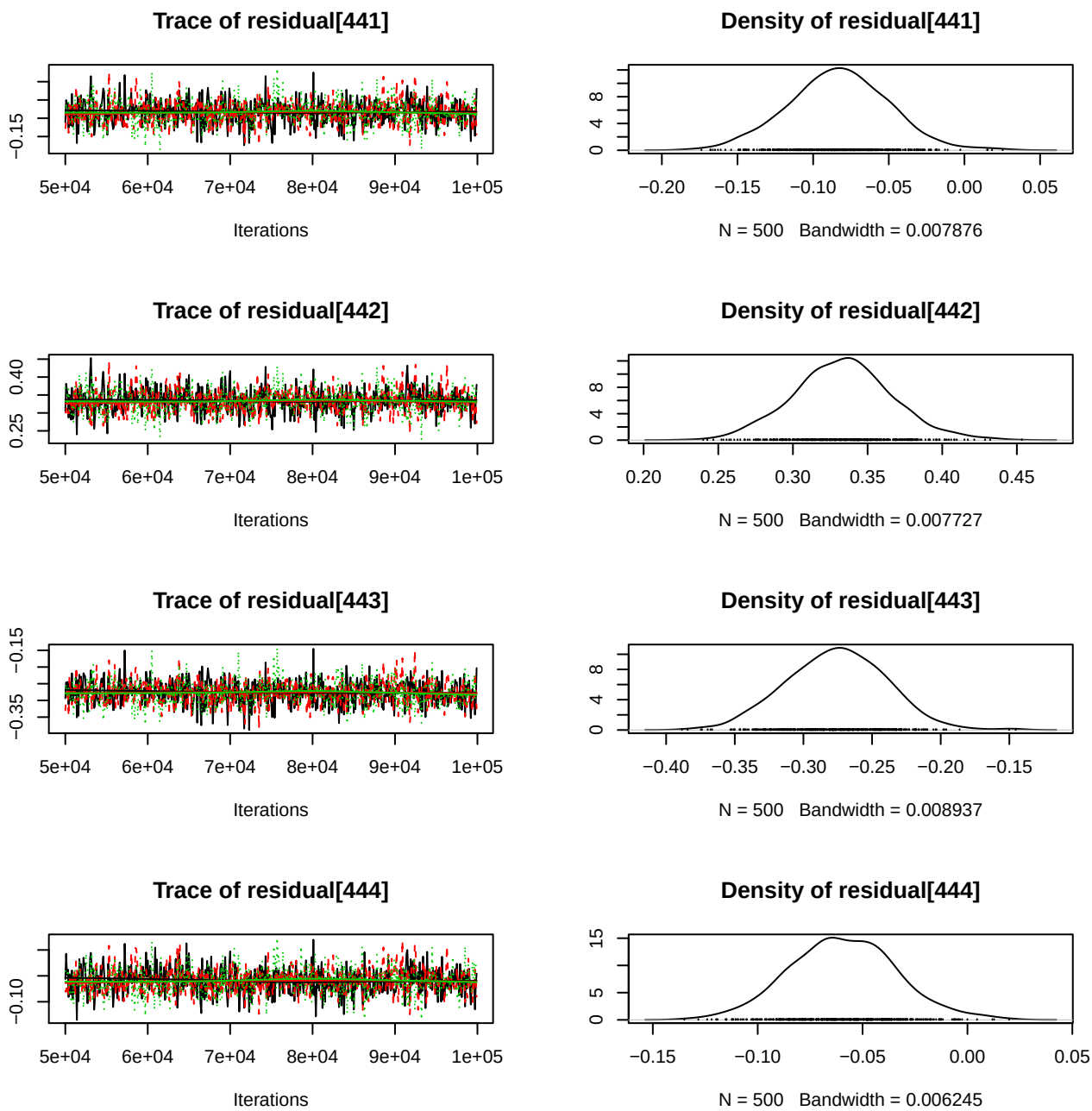

Trace of residual[423]
Iterations
Density of residual[423]
N = 500 Bandwidth = 0.01357
Trace of residual[424]
Iterations
Density of residual[424]
N = 500 Bandwidth = 0.01156
Trace of residual[425]
Iterations
Density of residual[425]
N = 500 Bandwidth = 0.006955
Trace of residual[426]
Iterations
Density of residual[426]
N = 500 Bandwidth = 0.006885

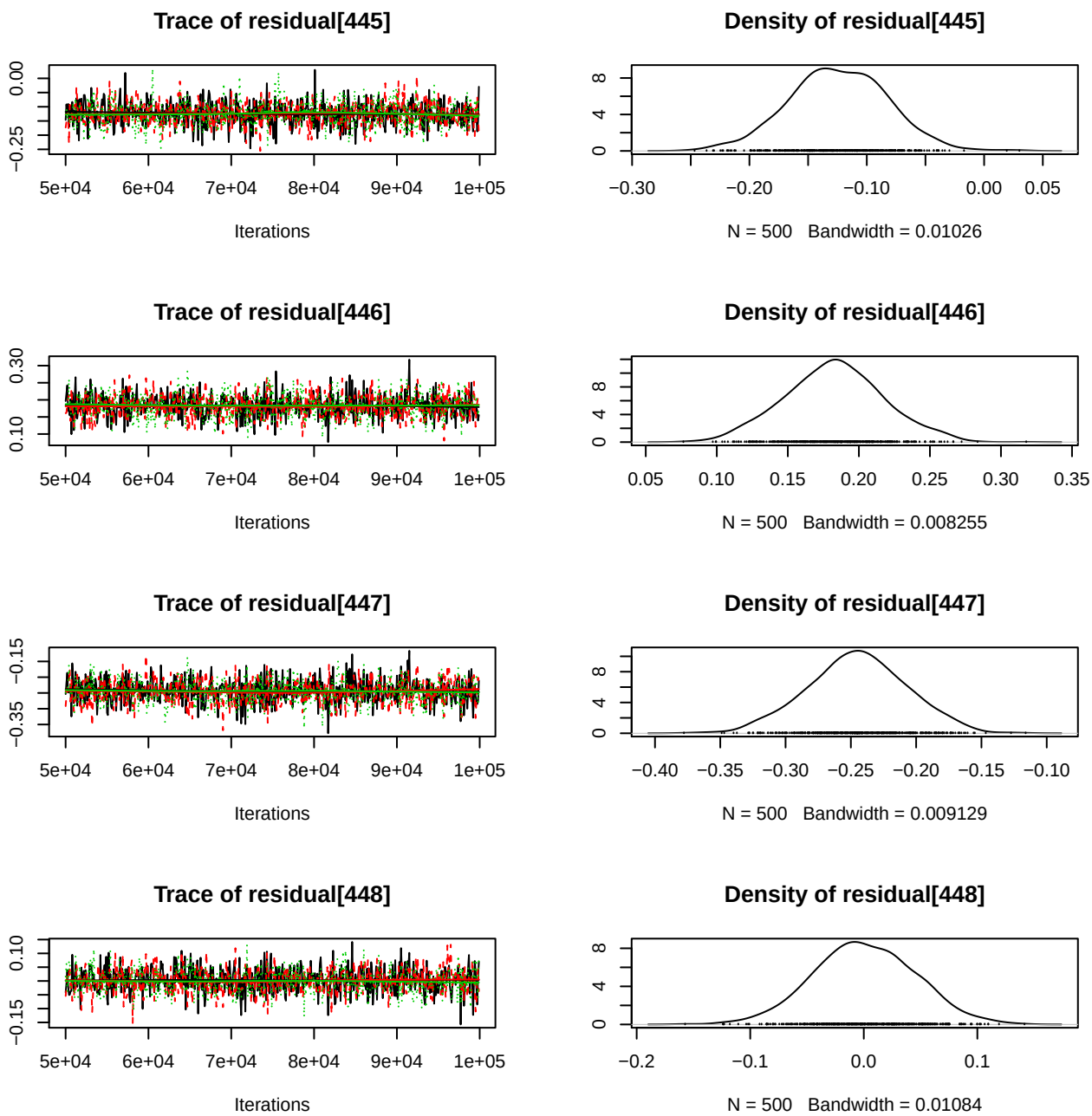

Trace of residual[427]
Iterations
Density of residual[427]
N = 500 Bandwidth = 0.01177
Trace of residual[428]
Iterations
Density of residual[428]
N = 500 Bandwidth = 0.01187
Trace of residual[429]
Iterations
Density of residual[429]
N = 500 Bandwidth = 0.01171
Trace of residual[43]
Iterations
Density of residual[43]
N = 500 Bandwidth = 0.004878

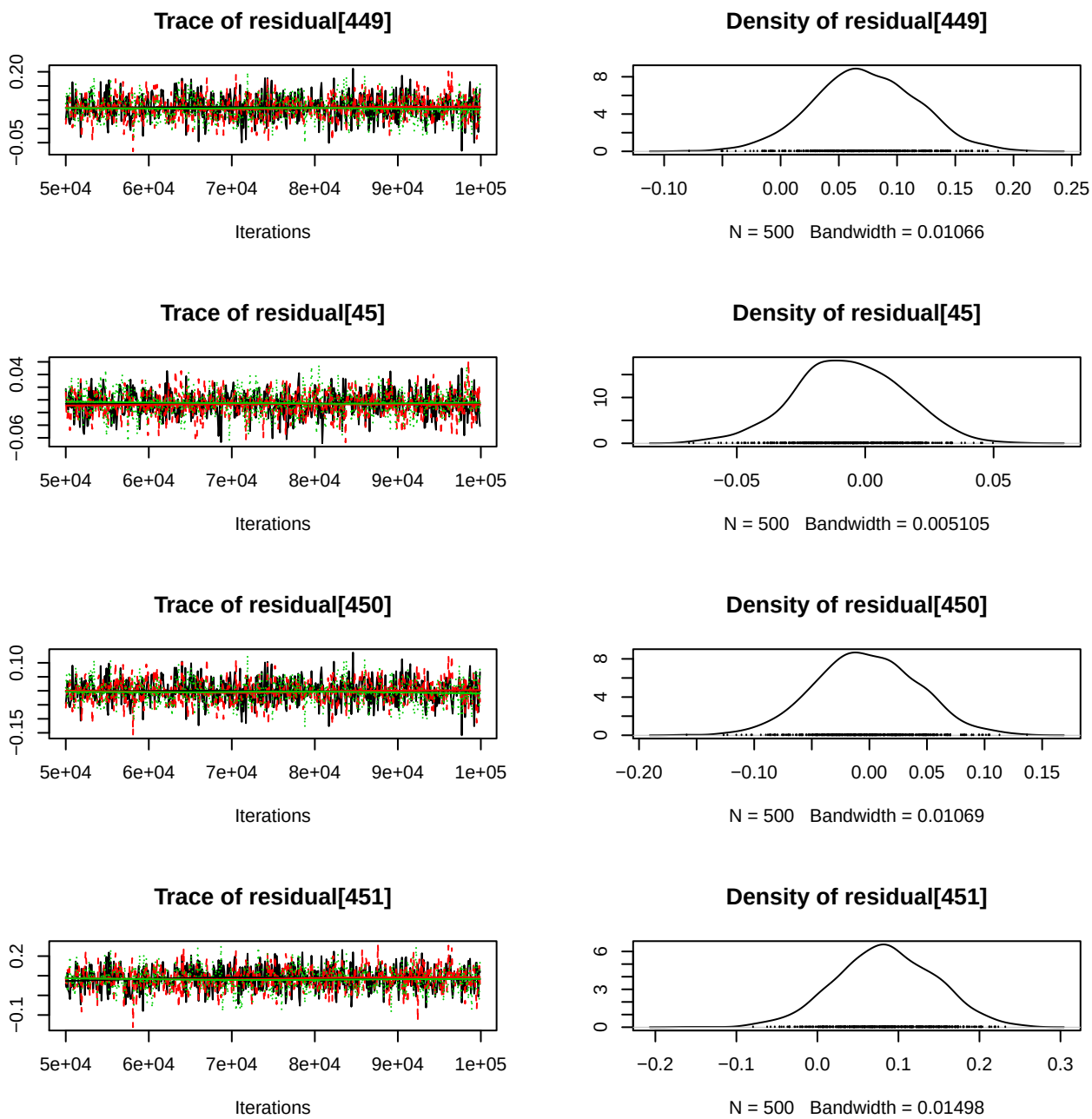

Trace of residual[430]
Iterations
Density of residual[430]
N = 500 Bandwidth = 0.01196
Trace of residual[431]
Iterations
Density of residual[431]
N = 500 Bandwidth = 0.01049
Trace of residual[432]
Iterations
Density of residual[432]
N = 500 Bandwidth = 0.01044
Trace of residual[433]
Iterations
Density of residual[433]
N = 500 Bandwidth = 0.01312

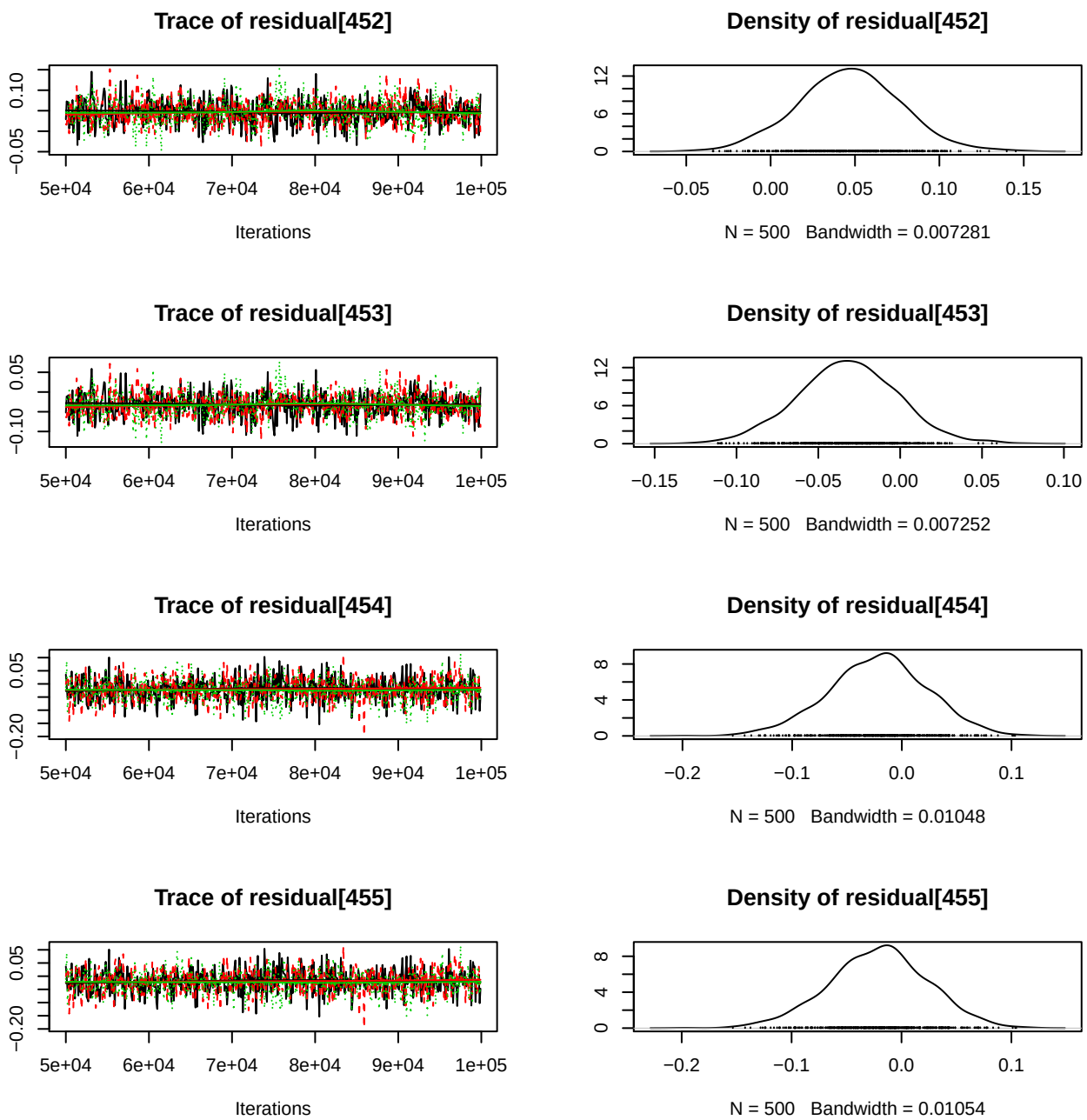

Trace of residual[434]
Iterations
Density of residual[434]
N = 500 Bandwidth = 0.008201
Trace of residual[435]
Iterations
Density of residual[435]
N = 500 Bandwidth = 0.008225
Trace of residual[436]
Iterations
Density of residual[436]
N = 500 Bandwidth = 0.009551
Trace of residual[437]
Iterations
Density of residual[437]
N = 500 Bandwidth = 0.008147

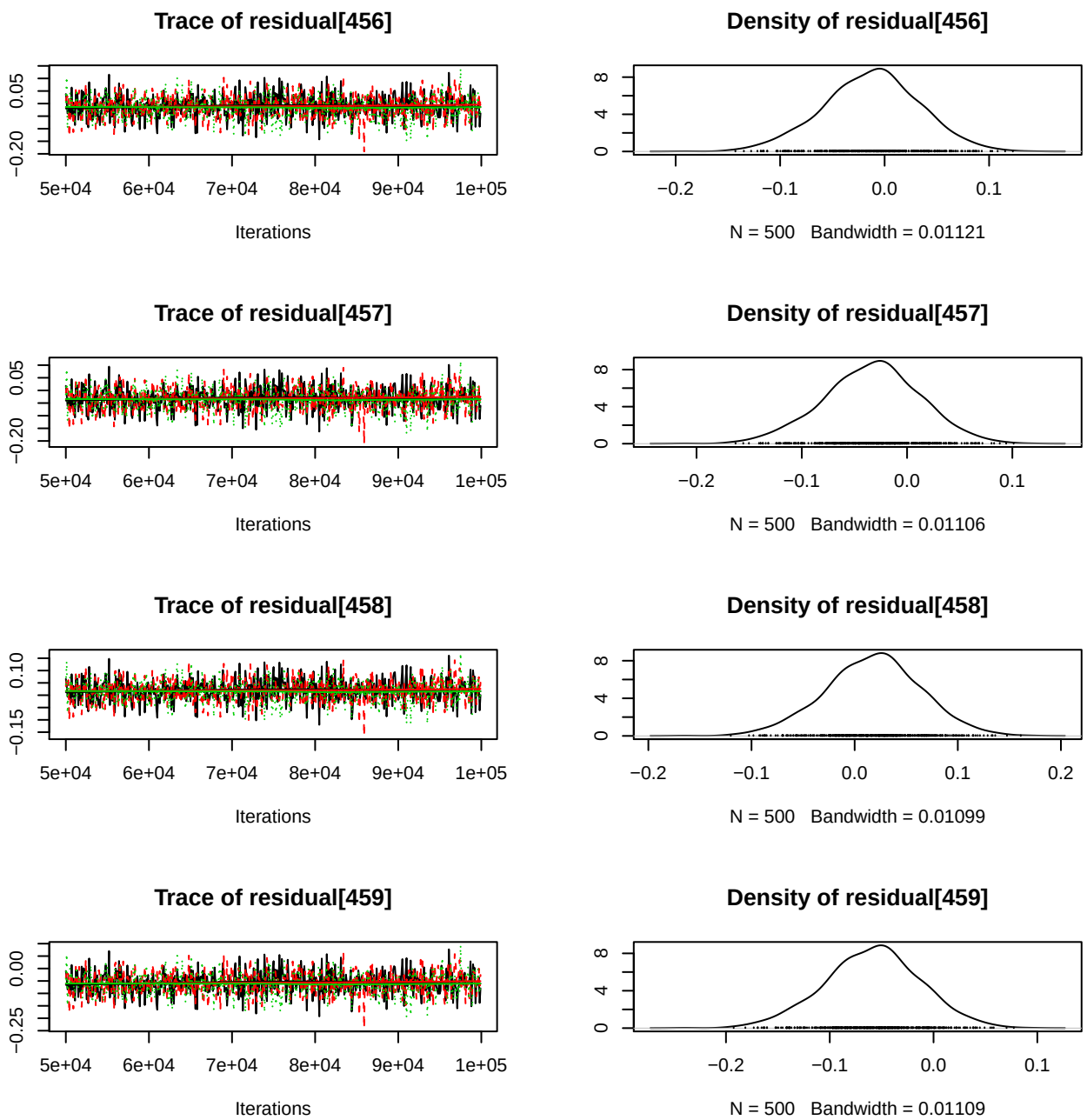

Trace of residual[438]
Iterations
Density of residual[438]
N = 500 Bandwidth = 0.01035
Trace of residual[439]
Iterations
Density of residual[439]
N = 500 Bandwidth = 0.008159
Trace of residual[44]
Iterations
Density of residual[44]
N = 500 Bandwidth = 0.004824
Trace of residual[440]
Iterations
Density of residual[440]
N = 500 Bandwidth = 0.006083

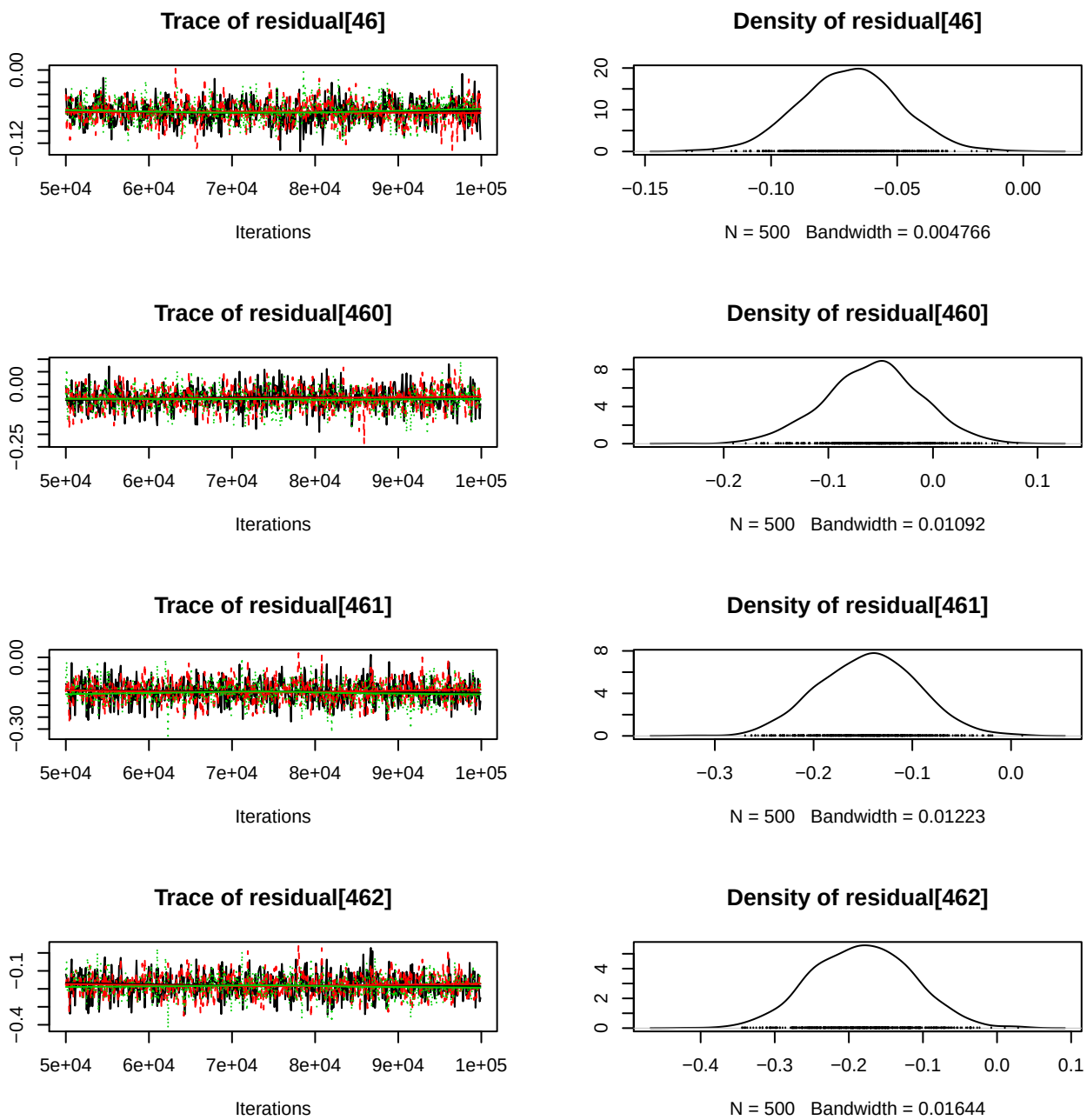

Trace of residual[441]
−0.15
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[441]
0 4 8
−0.20 −0.15 −0.10 −0.05 0.00 0.05
N = 500 Bandwidth = 0.007876
Trace of residual[442]
0.25 0.40
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[442]
0 4 8
0.20 0.25 0.30 0.35 0.40 0.45
N = 500 Bandwidth = 0.007727
Trace of residual[443]
−0.35 −0.15
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[443]
0 4 8
−0.40 −0.35 −0.30 −0.25 −0.20 −0.15
N = 500 Bandwidth = 0.008937
Trace of residual[444]
−0.10
5e+04 6e+04 7e+04 8e+04 9e+04 1e+05
Iterations
Density of residual[444]
0 5 15
−0.15 −0.10 −0.05 0.00 0.05
N = 500 Bandwidth = 0.006245

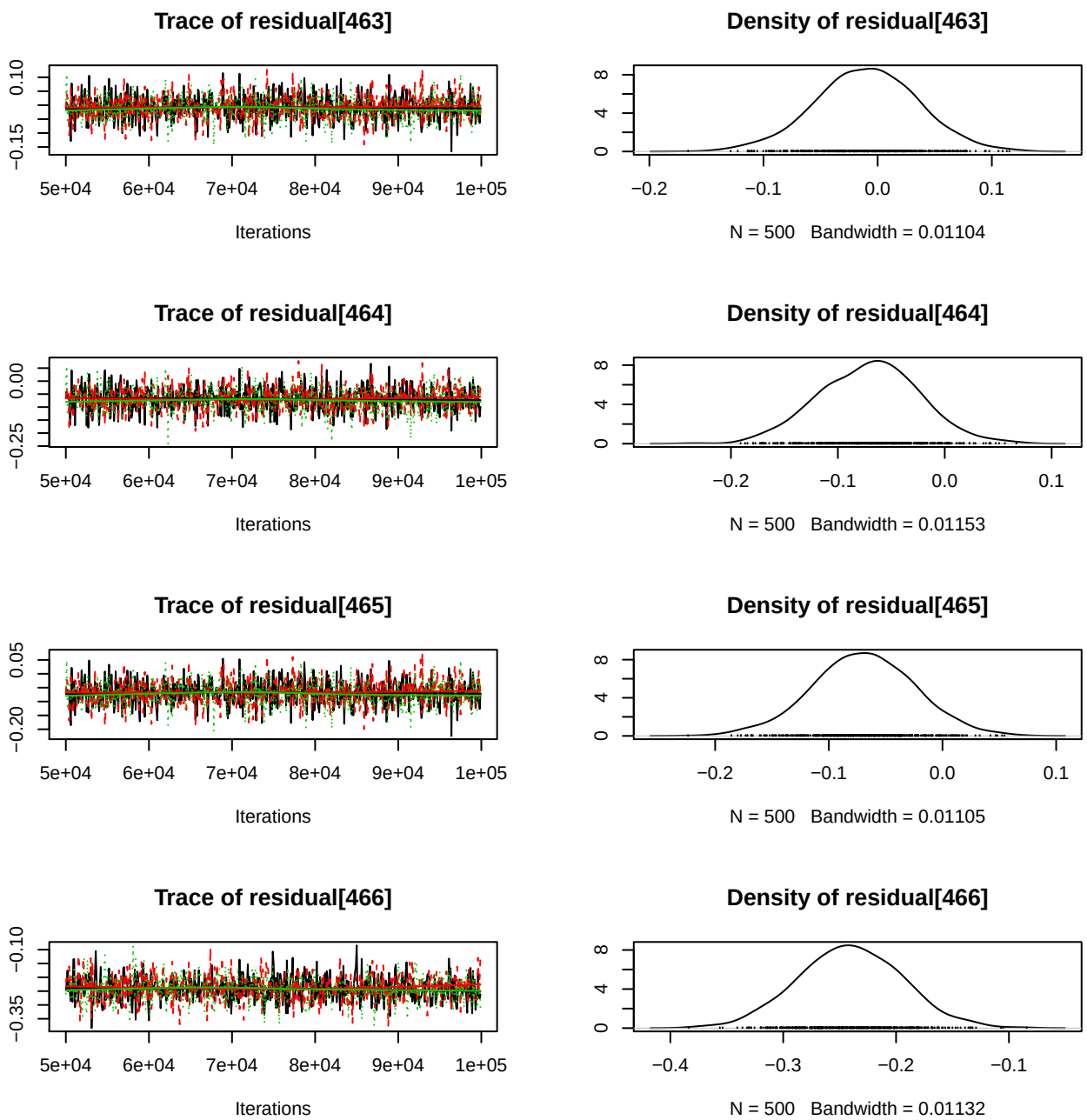

Trace of residual[445]
Iterations
Density of residual[445]
N = 500 Bandwidth = 0.01026
Trace of residual[446]
Iterations
Density of residual[446]
N = 500 Bandwidth = 0.008255
Trace of residual[447]
Iterations
Density of residual[447]
N = 500 Bandwidth = 0.009129
Trace of residual[448]
Iterations
Density of residual[448]
N = 500 Bandwidth = 0.01084

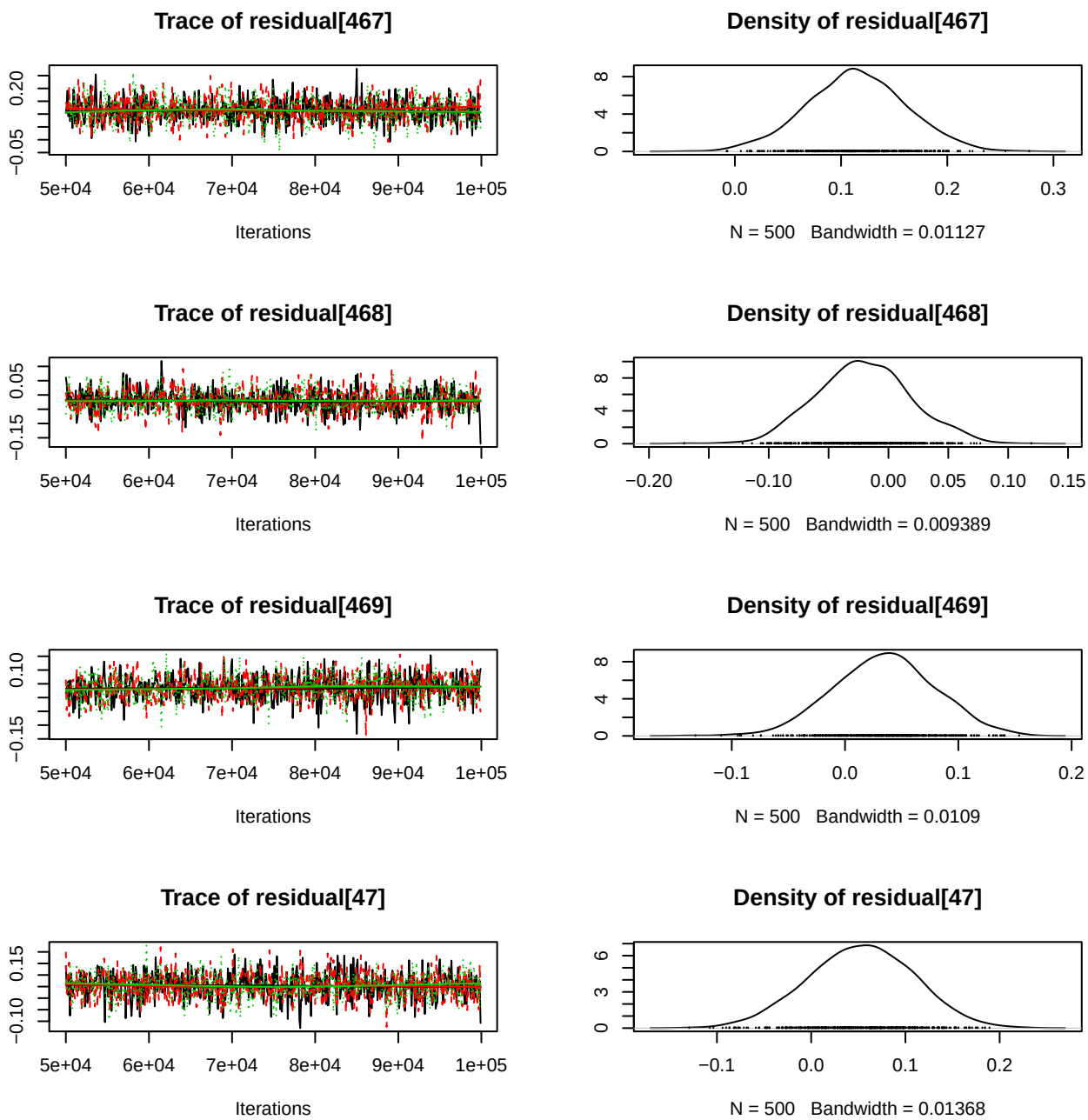

Trace of residual[449]
Iterations
Density of residual[449]
N = 500 Bandwidth = 0.01066
Trace of residual[45]
Iterations
Density of residual[45]
N = 500 Bandwidth = 0.005105
Trace of residual[450]
Iterations
Density of residual[450]
N = 500 Bandwidth = 0.01069
Trace of residual[451]
Iterations
Density of residual[451]
N = 500 Bandwidth = 0.01498

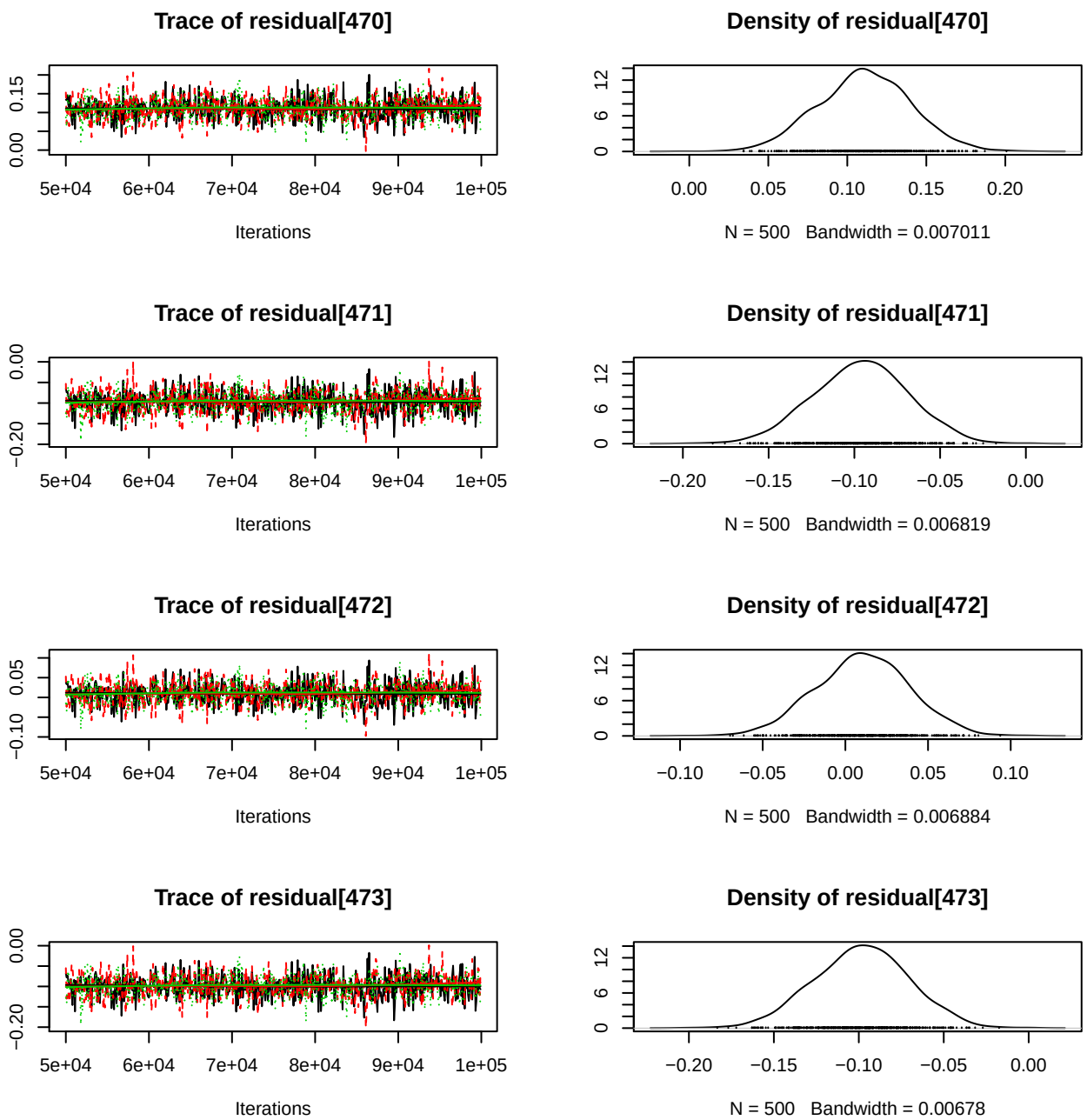

Trace of residual[452]
Iterations
Density of residual[452]
N = 500 Bandwidth = 0.007281
Trace of residual[453]
Iterations
Density of residual[453]
N = 500 Bandwidth = 0.007252
Trace of residual[454]
Iterations
Density of residual[454]
N = 500 Bandwidth = 0.01048
Trace of residual[455]
Iterations
Density of residual[455]
N = 500 Bandwidth = 0.01054

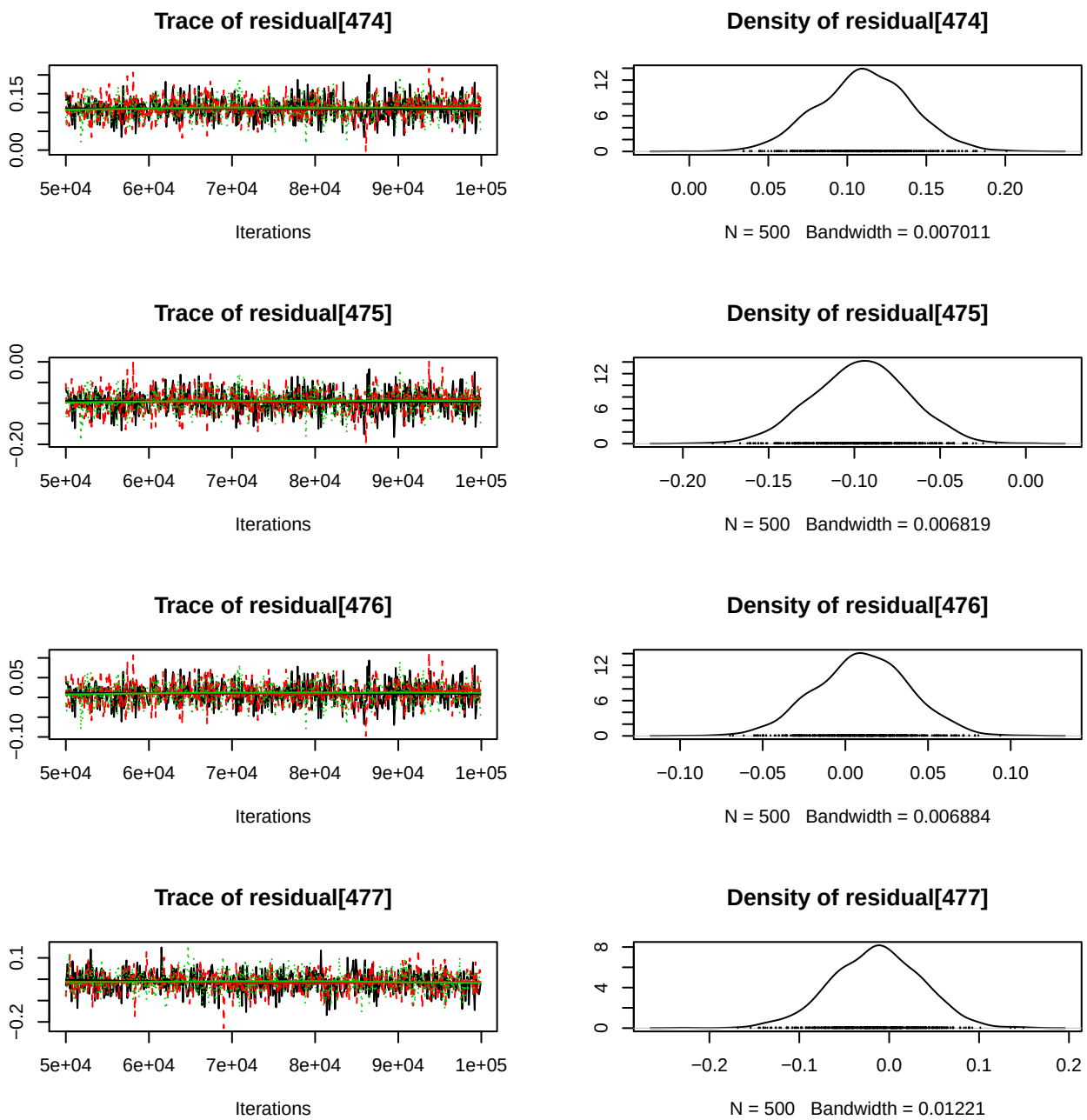

Trace of residual[456]
Iterations
Density of residual[456]
N = 500 Bandwidth = 0.01121
Trace of residual[457]
Iterations
Density of residual[457]
N = 500 Bandwidth = 0.01106
Trace of residual[458]
Iterations
Density of residual[458]
N = 500 Bandwidth = 0.01099
Trace of residual[459]
Iterations
Density of residual[459]
N = 500 Bandwidth = 0.01109

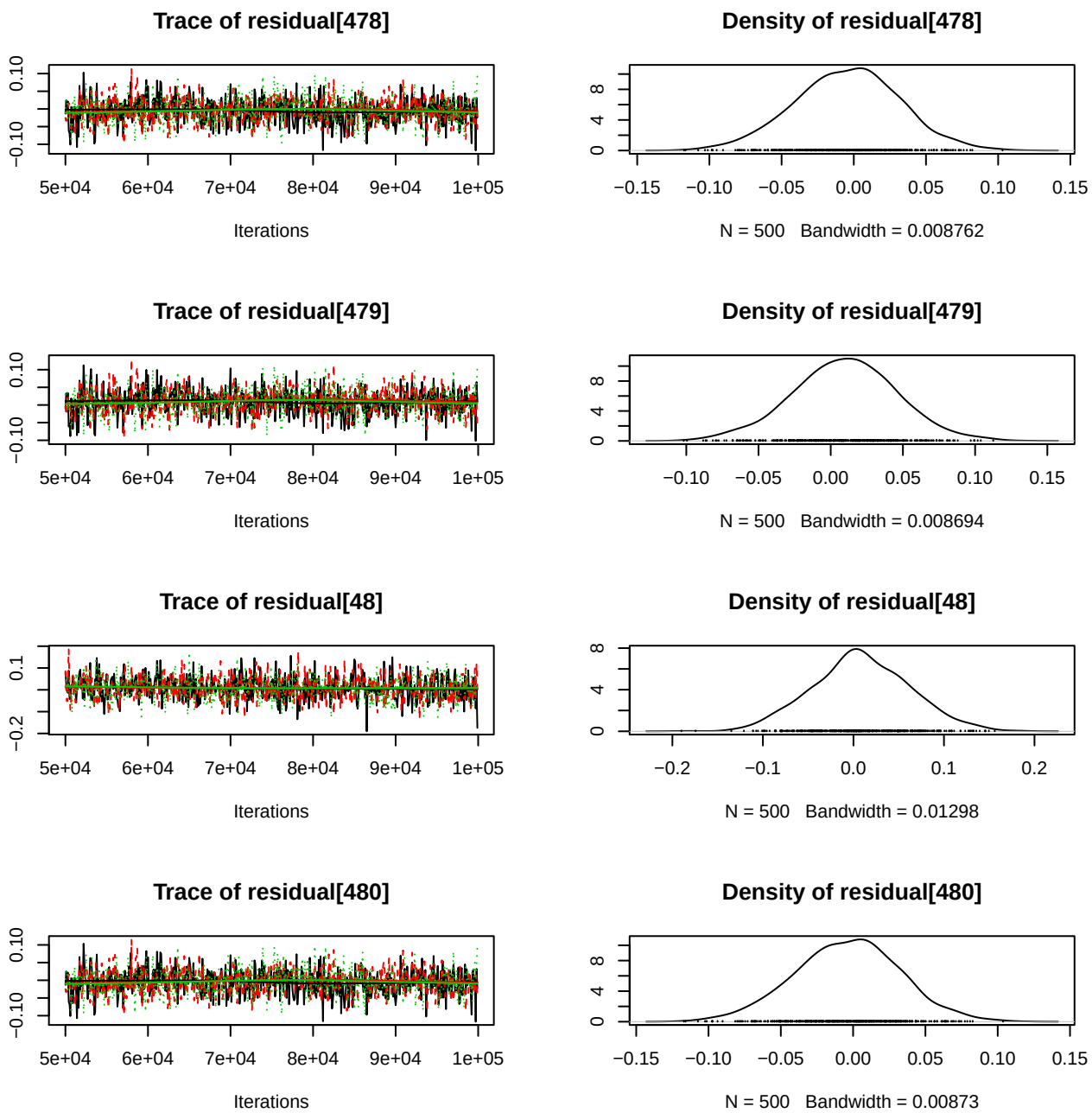

Trace of residual[46]
Iterations
Density of residual[46]
N = 500 Bandwidth = 0.004766
Trace of residual[460]
Iterations
Density of residual[460]
N = 500 Bandwidth = 0.01092
Trace of residual[461]
Iterations
Density of residual[461]
N = 500 Bandwidth = 0.01223
Trace of residual[462]
Iterations
Density of residual[462]
N = 500 Bandwidth = 0.01644

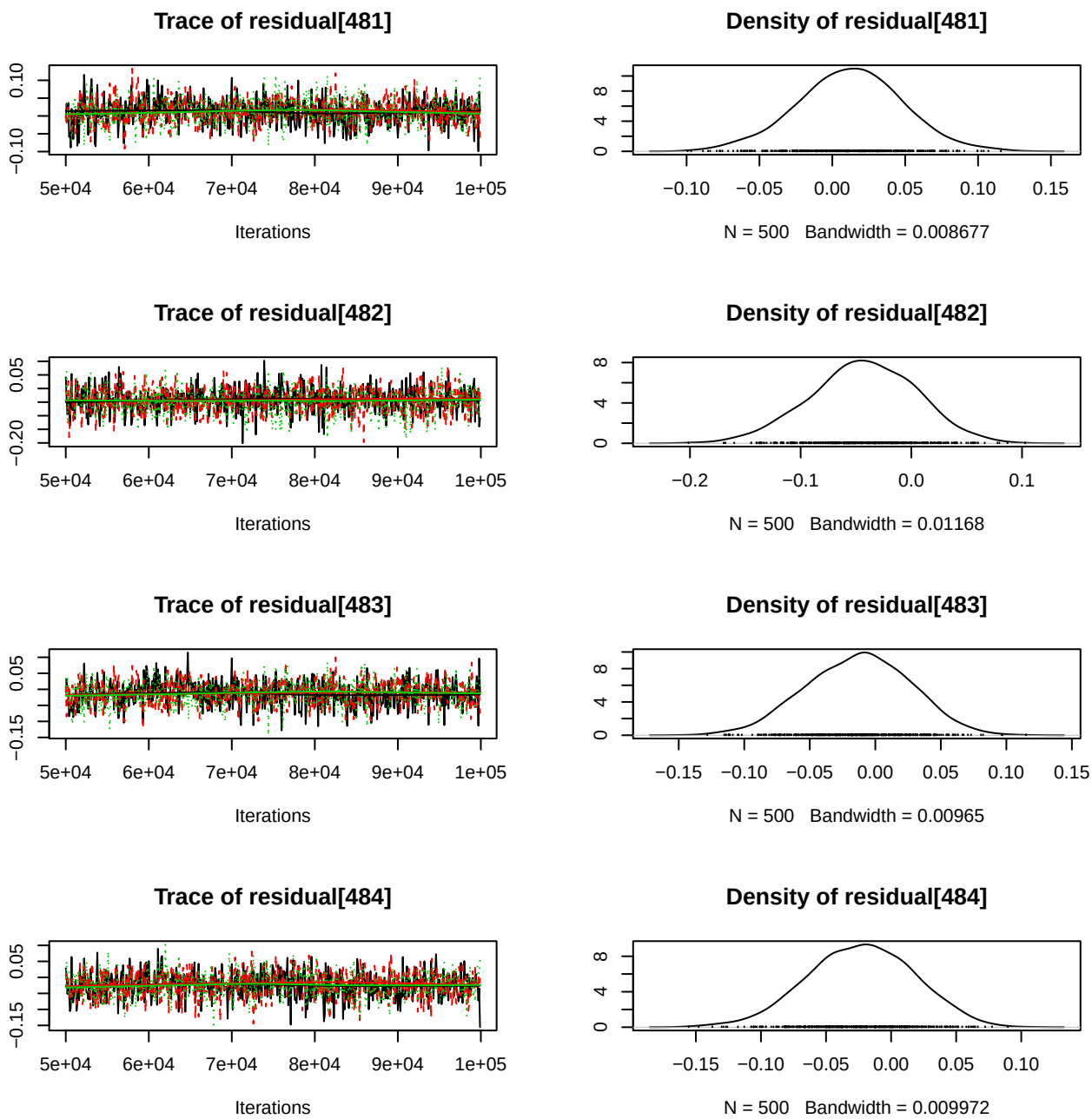

Trace of residual[463]
Iterations
Density of residual[463]
N = 500 Bandwidth = 0.01104
Trace of residual[464]
Iterations
Density of residual[464]
N = 500 Bandwidth = 0.01153
Trace of residual[465]
Iterations
Density of residual[465]
N = 500 Bandwidth = 0.01105
Trace of residual[466]
Iterations
Density of residual[466]
N = 500 Bandwidth = 0.01132

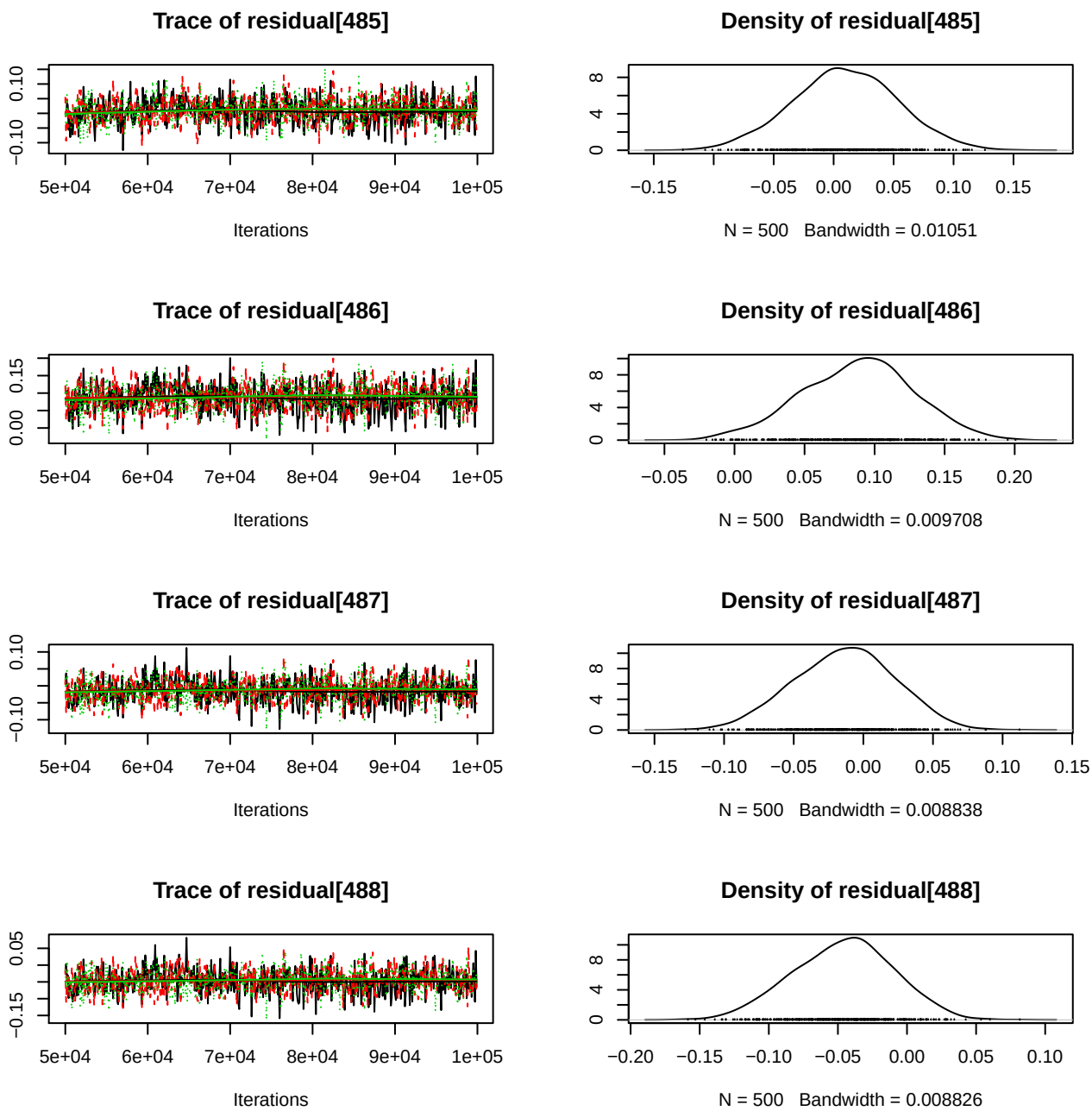

Trace of residual[467]
Iterations
Density of residual[467]
N = 500 Bandwidth = 0.01127
Trace of residual[468]
Iterations
Density of residual[468]
N = 500 Bandwidth = 0.009389
Trace of residual[469]
Iterations
Density of residual[469]
N = 500 Bandwidth = 0.0109
Trace of residual[47]
Iterations
Density of residual[47]
N = 500 Bandwidth = 0.01368

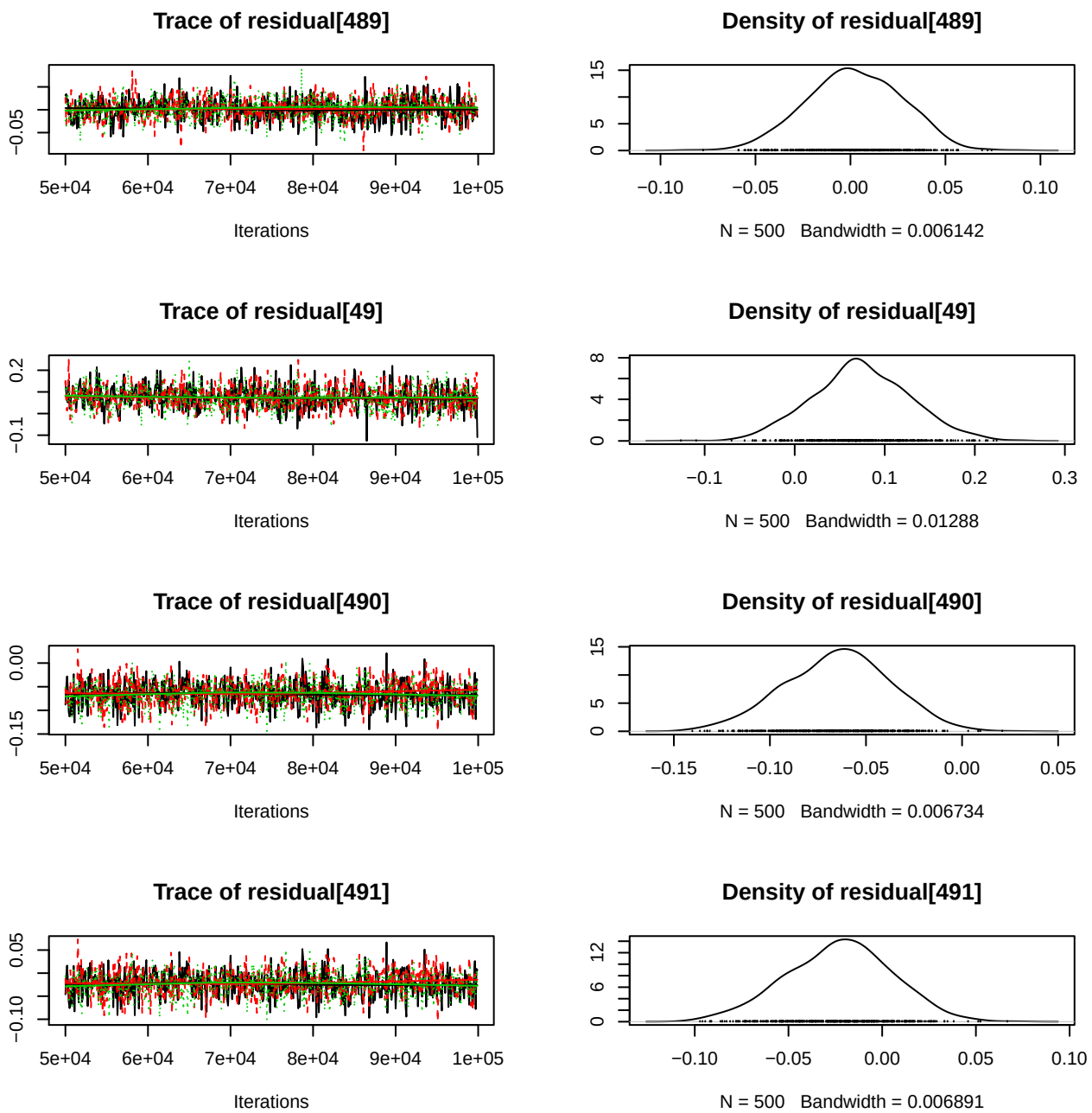

Trace of residual[470]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[470]
0
6
12
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.007011
Trace of residual[471]
−0.20
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[471]
0
6
12
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.006819
Trace of residual[472]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[472]
0
6
12
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.006884
Trace of residual[473]
−0.20
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[473]
0
6
12
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.00678

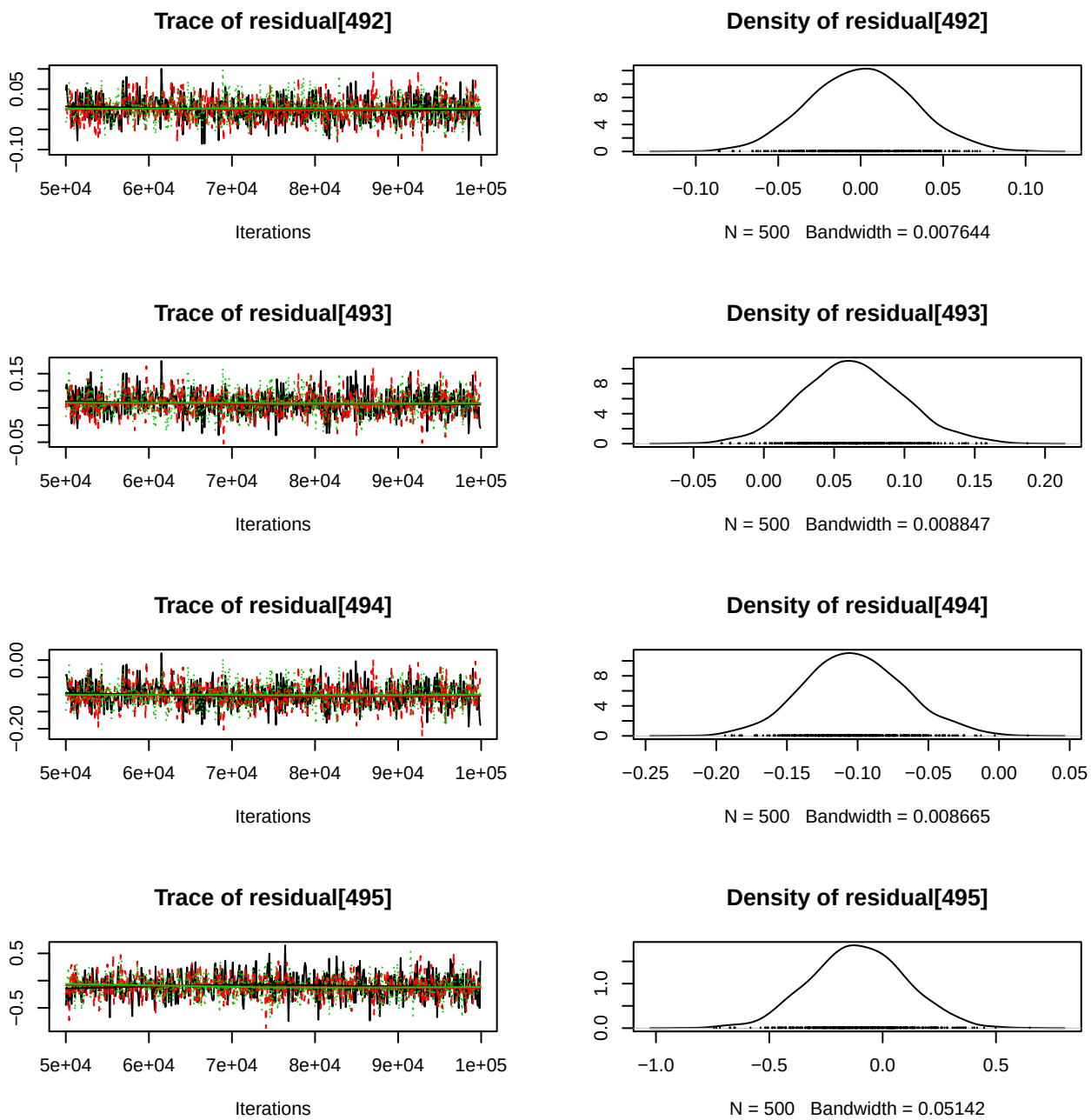

Trace of residual[474]
0.00
0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[474]
0
6
12
0.00
0.05
0.10
0.15
0.20
N = 500 Bandwidth = 0.007011
Trace of residual[475]
−0.20
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[475]
0
6
12
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.006819
Trace of residual[476]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[476]
0
6
12
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.006884
Trace of residual[477]
−0.2
0.1
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[477]
0
4
8
−0.2
−0.1
0.0
0.1
0.2
N = 500 Bandwidth = 0.01221

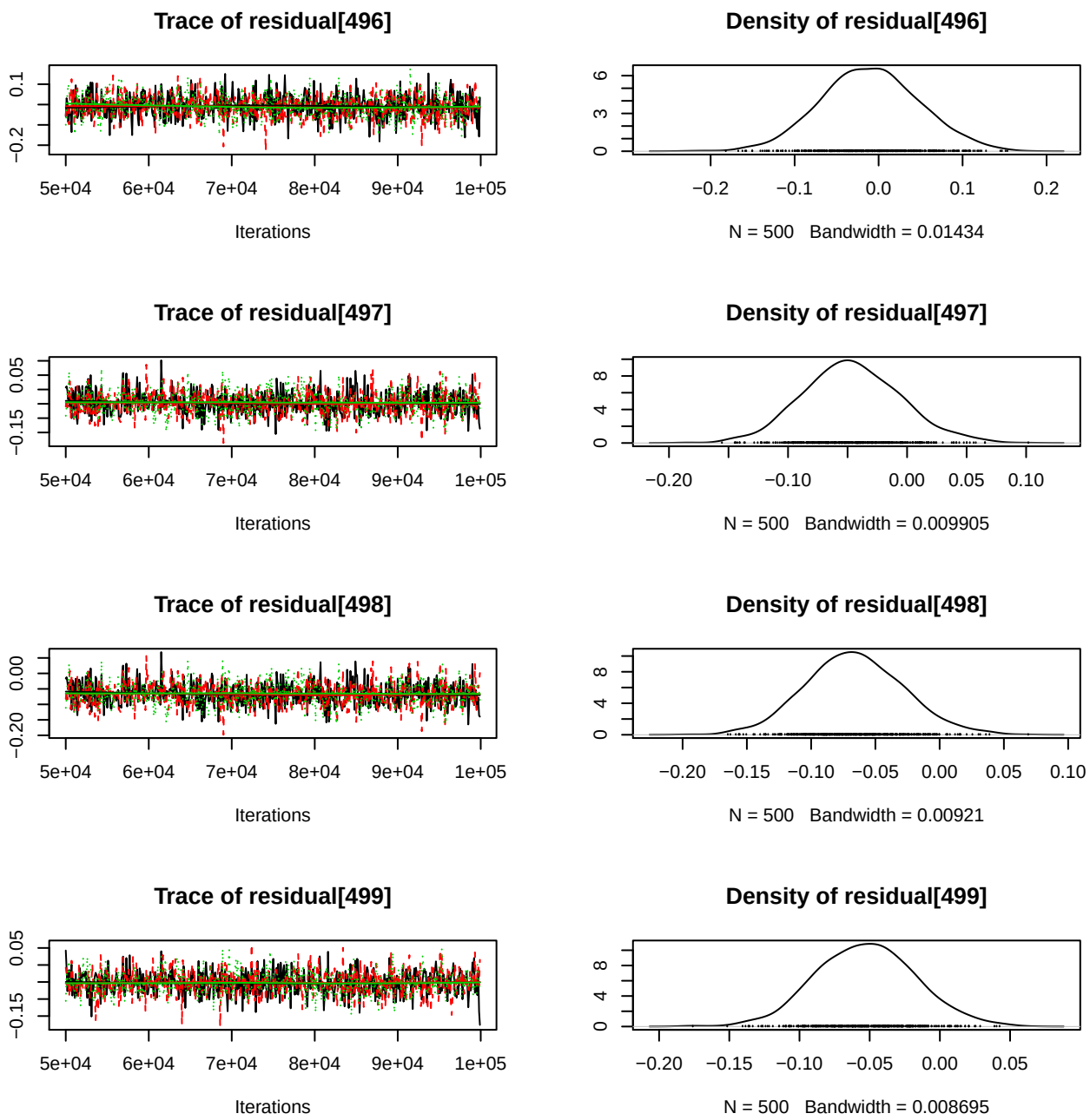

Trace of residual[478]
Iterations
Density of residual[478]
N = 500 Bandwidth = 0.008762
Trace of residual[479]
Iterations
Density of residual[479]
N = 500 Bandwidth = 0.008694
Trace of residual[48]
Iterations
Density of residual[48]
N = 500 Bandwidth = 0.01298
Trace of residual[480]
Iterations
Density of residual[480]
N = 500 Bandwidth = 0.00873

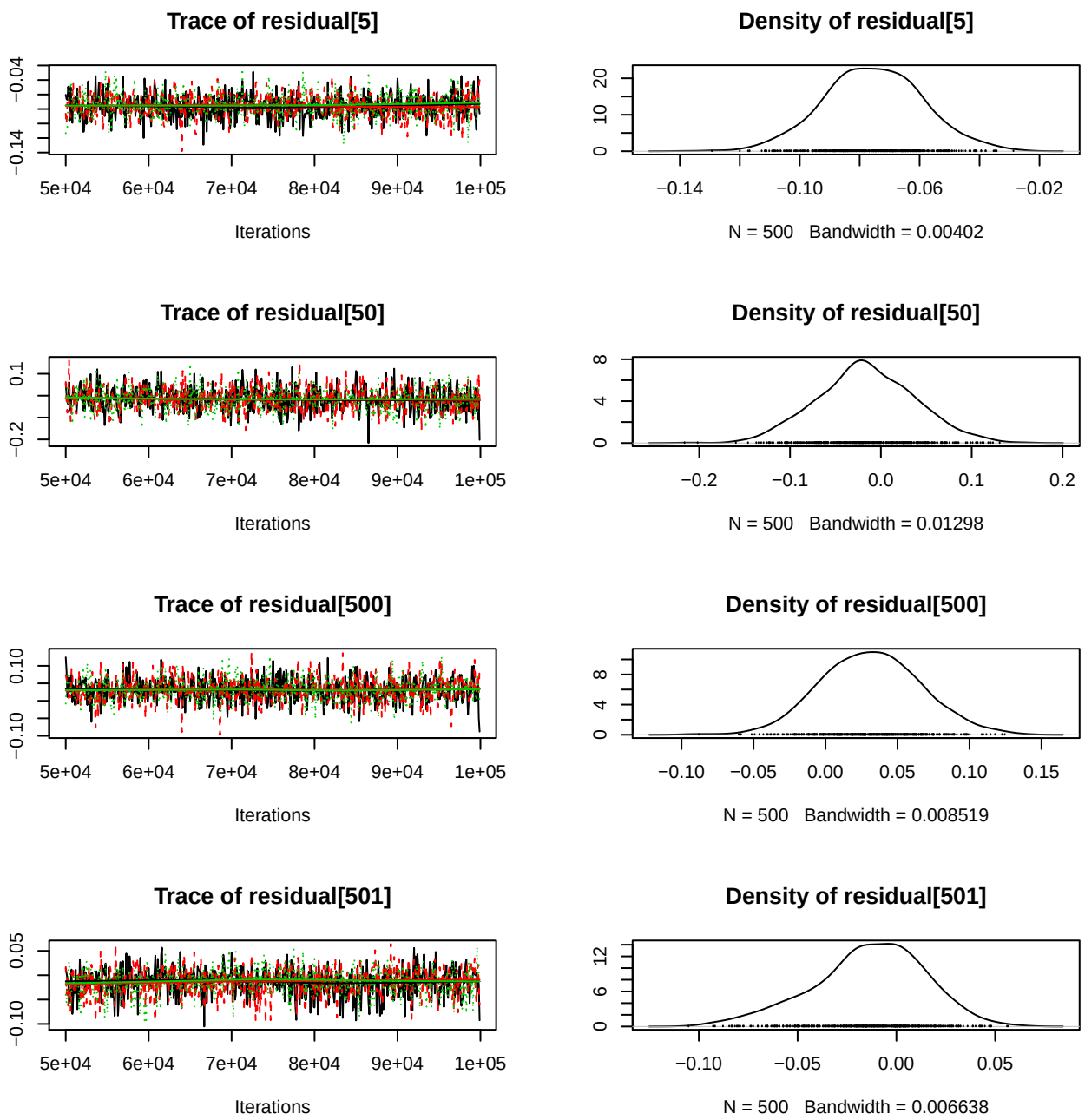

Trace of residual[481]
Iterations
Density of residual[481]
N = 500 Bandwidth = 0.008677
Trace of residual[482]
Iterations
Density of residual[482]
N = 500 Bandwidth = 0.01168
Trace of residual[483]
Iterations
Density of residual[483]
N = 500 Bandwidth = 0.00965
Trace of residual[484]
Iterations
Density of residual[484]
N = 500 Bandwidth = 0.009972

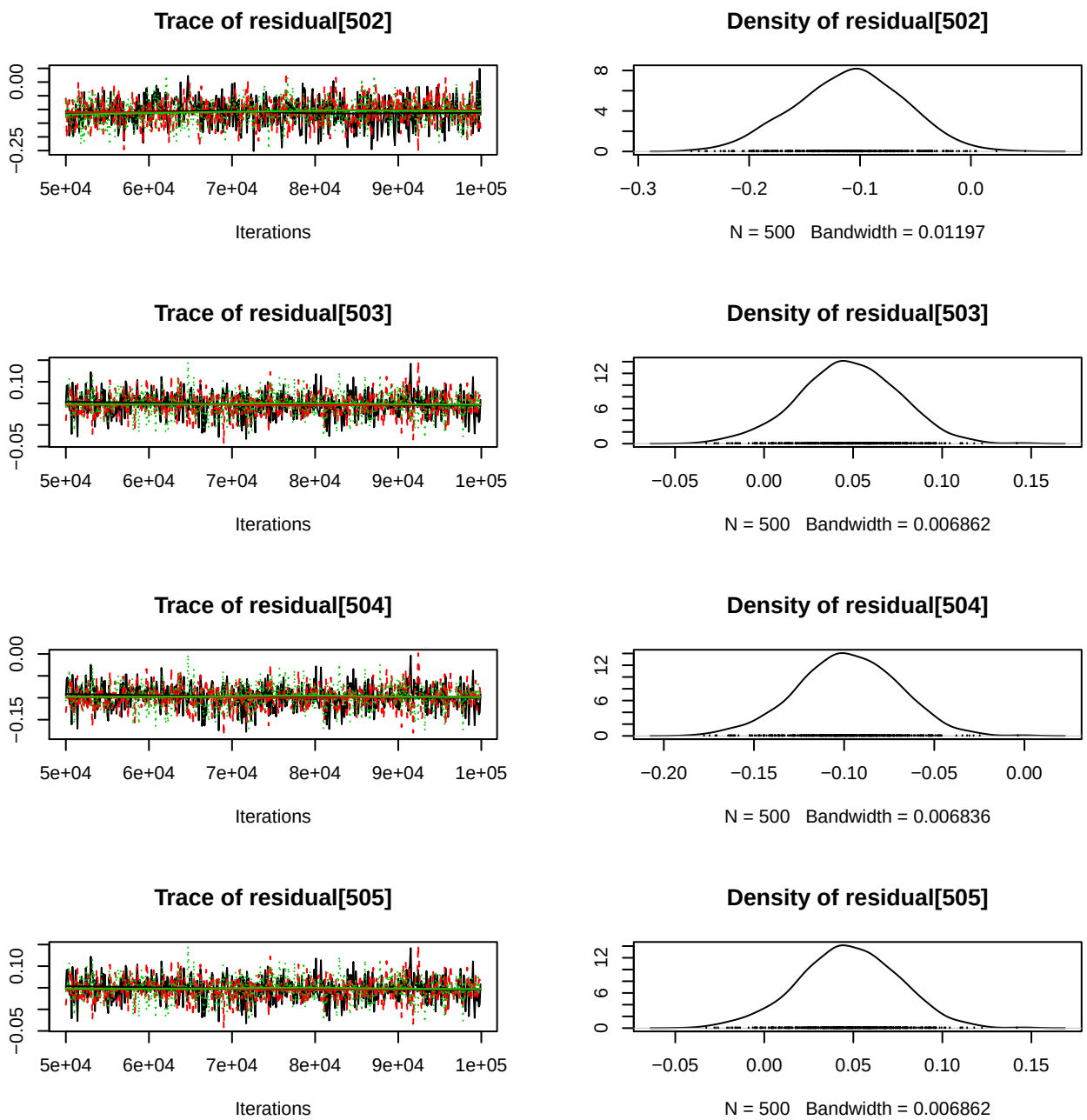

Trace of residual[485]
Iterations
Density of residual[485]
N = 500 Bandwidth = 0.01051
Trace of residual[486]
Iterations
Density of residual[486]
N = 500 Bandwidth = 0.009708
Trace of residual[487]
Iterations
Density of residual[487]
N = 500 Bandwidth = 0.008838
Trace of residual[488]
Iterations
Density of residual[488]
N = 500 Bandwidth = 0.008826

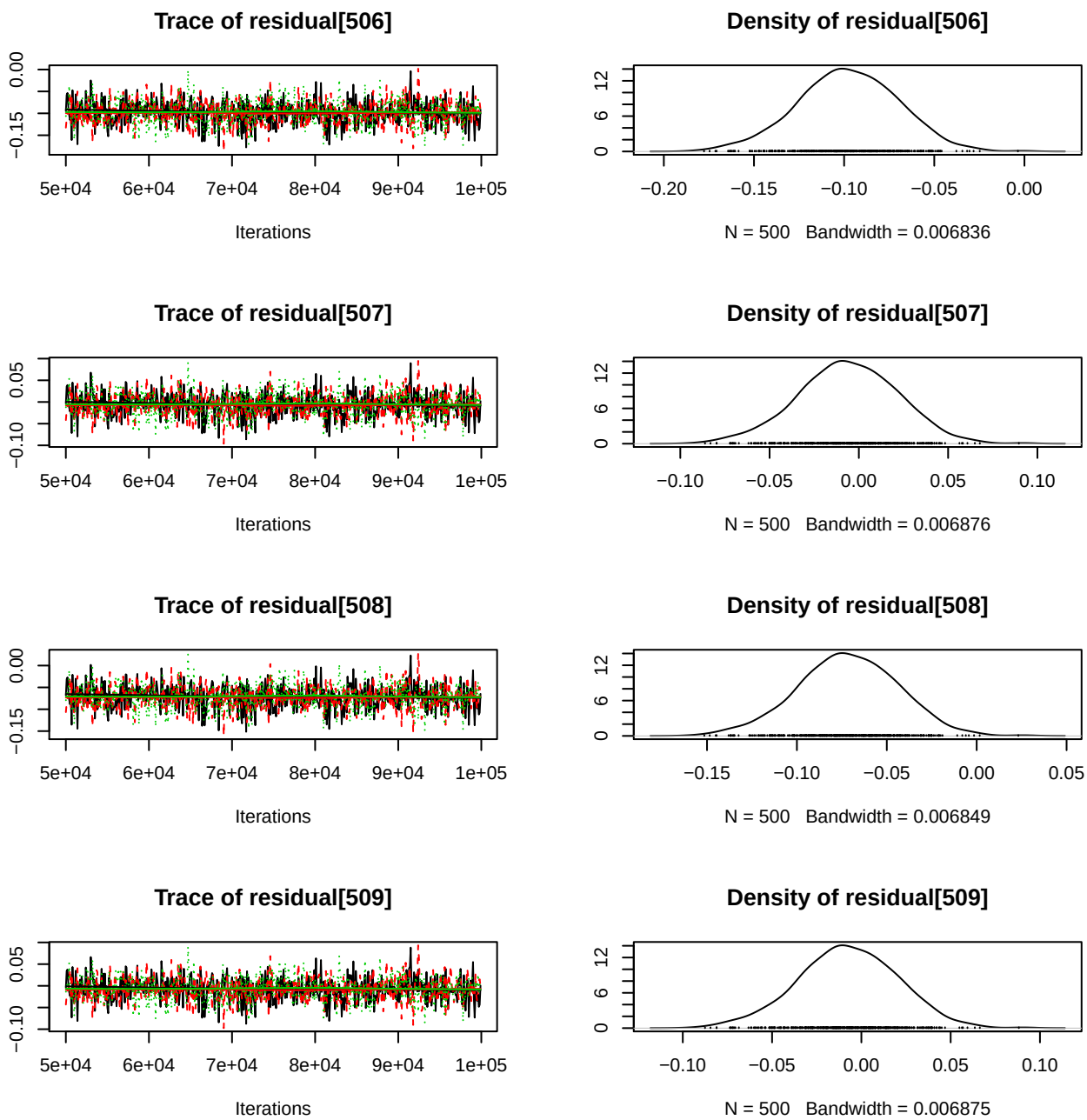

Trace of residual[489]
−0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[489]
0
5
15
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.006142
Trace of residual[49]
−0.1
0.2
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[49]
0
4
8
−0.1
0.0
0.1
0.2
0.3
N = 500 Bandwidth = 0.01288
Trace of residual[490]
−0.15
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[490]
0
5
15
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.006734
Trace of residual[491]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[491]
0
6
12
−0.10
−0.05
0.00
0.05
0.10
N = 500 Bandwidth = 0.006891

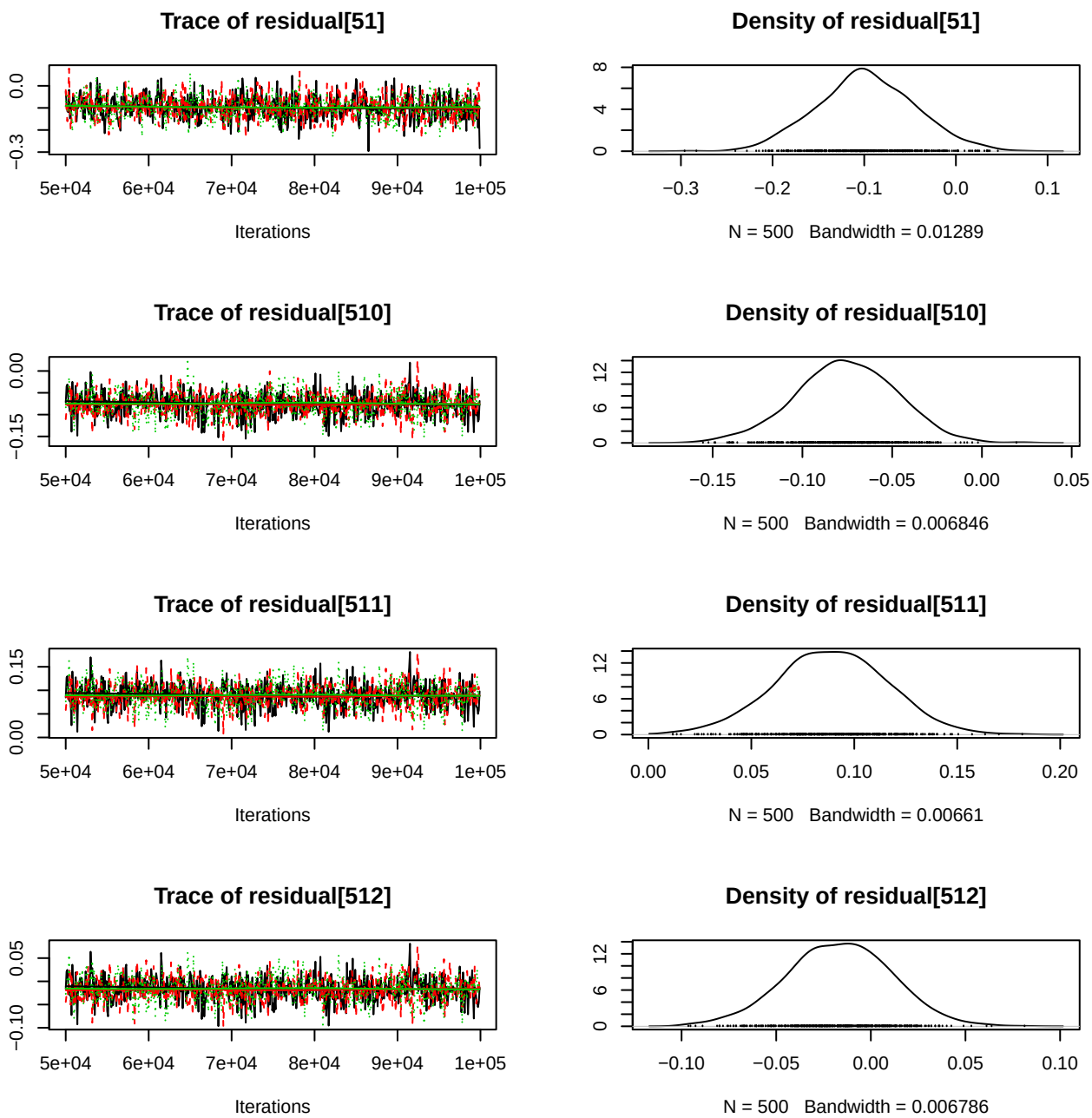

Trace of residual[492]
Iterations
Density of residual[492]
N = 500 Bandwidth = 0.007644
Trace of residual[493]
Iterations
Density of residual[493]
N = 500 Bandwidth = 0.008847
Trace of residual[494]
Iterations
Density of residual[494]
N = 500 Bandwidth = 0.008665
Trace of residual[495]
Iterations
Density of residual[495]
N = 500 Bandwidth = 0.05142

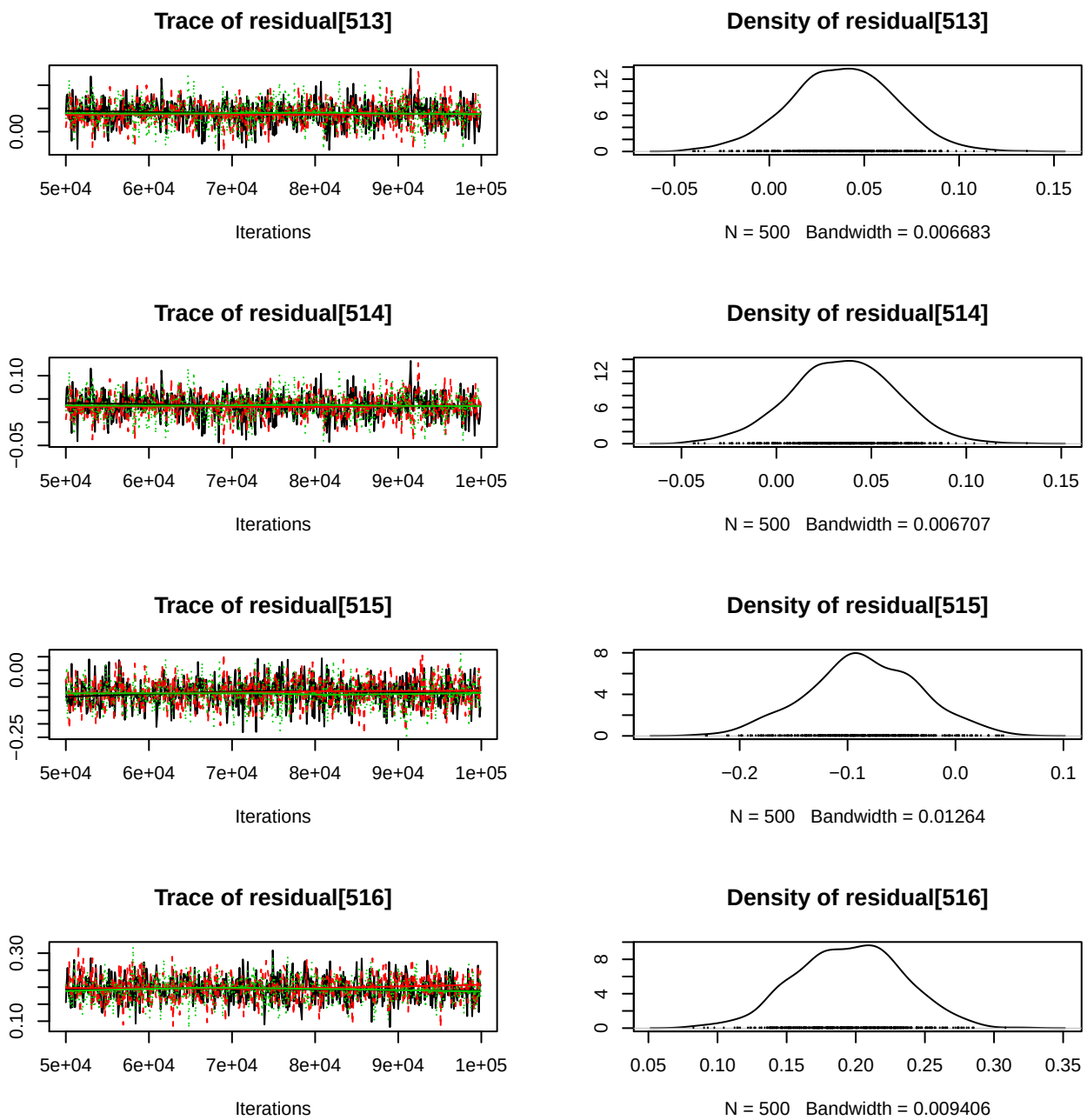

Trace of residual[496]
Iterations
Density of residual[496]
N = 500 Bandwidth = 0.01434
Trace of residual[497]
Iterations
Density of residual[497]
N = 500 Bandwidth = 0.009905
Trace of residual[498]
Iterations
Density of residual[498]
N = 500 Bandwidth = 0.00921
Trace of residual[499]
Iterations
Density of residual[499]
N = 500 Bandwidth = 0.008695

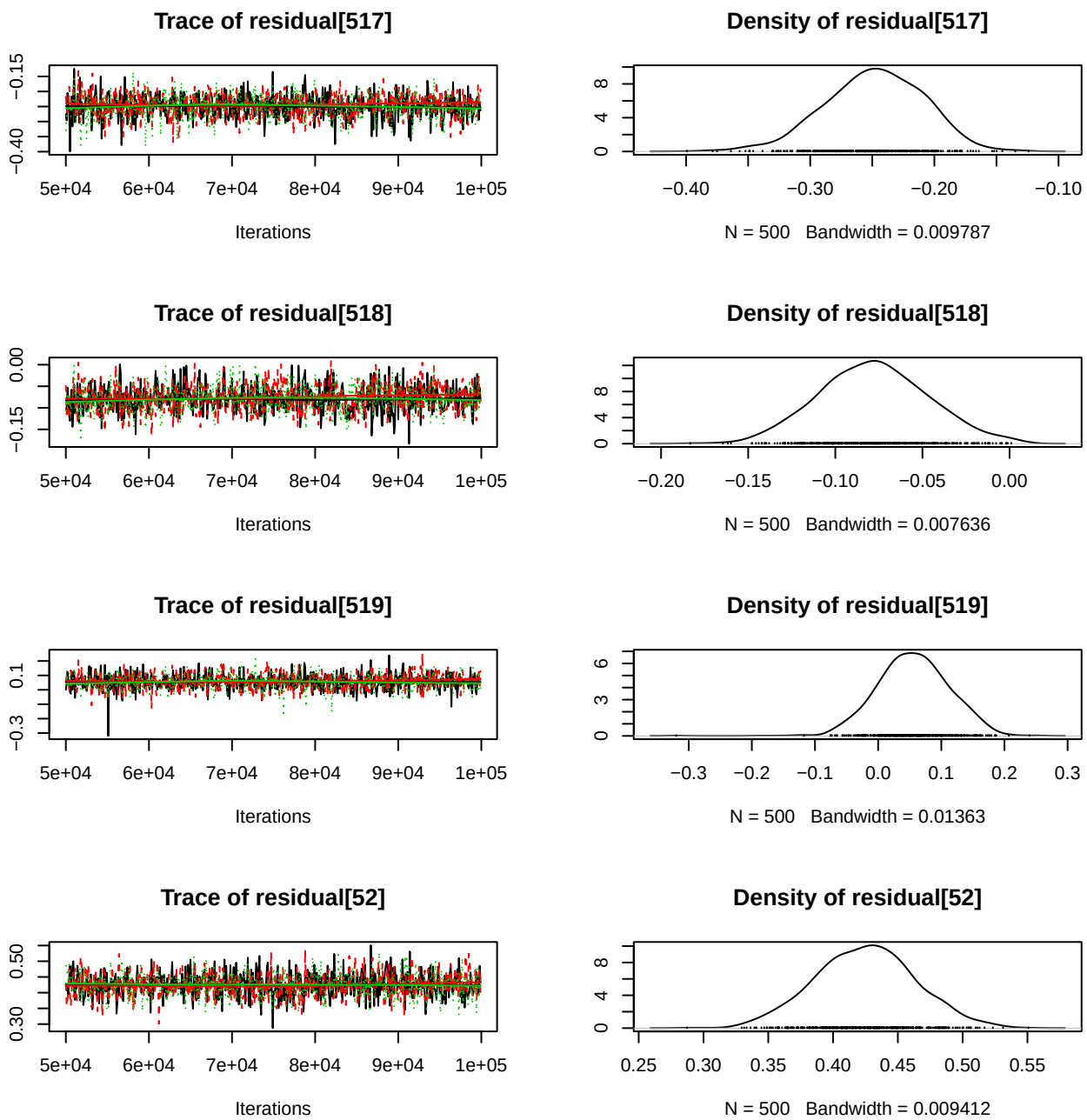

Trace of residual[5]
−0.14
−0.04
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[5]
0
10
20
−0.14
−0.10
−0.06
−0.02
N = 500 Bandwidth = 0.00402
Trace of residual[50]
−0.2
0.1
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[50]
0
4
8
−0.2
−0.1
0.0
0.1
0.2
N = 500 Bandwidth = 0.01298
Trace of residual[500]
−0.10
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[500]
0
4
8
−0.10
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.008519
Trace of residual[501]
−0.10
0.05
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[501]
0
6
12
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.006638

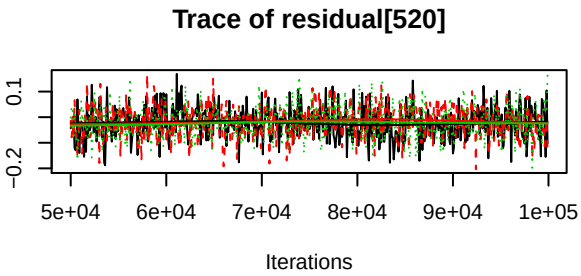

Trace of residual[502]
Iterations
Density of residual[502]
N = 500 Bandwidth = 0.01197
Trace of residual[503]
Iterations
Density of residual[503]
N = 500 Bandwidth = 0.006862
Trace of residual[504]
Iterations
Density of residual[504]
N = 500 Bandwidth = 0.006836
Trace of residual[505]
Iterations
Density of residual[505]
N = 500 Bandwidth = 0.006862

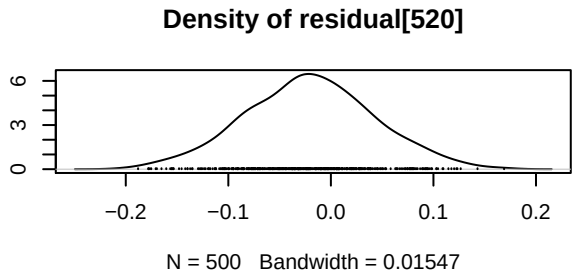

Trace of residual[506]
Iterations
Density of residual[506]
N = 500 Bandwidth = 0.006836
Trace of residual[507]
Iterations
Density of residual[507]
N = 500 Bandwidth = 0.006876
Trace of residual[508]
Iterations
Density of residual[508]
N = 500 Bandwidth = 0.006849
Trace of residual[509]
Iterations
Density of residual[509]
N = 500 Bandwidth = 0.006875

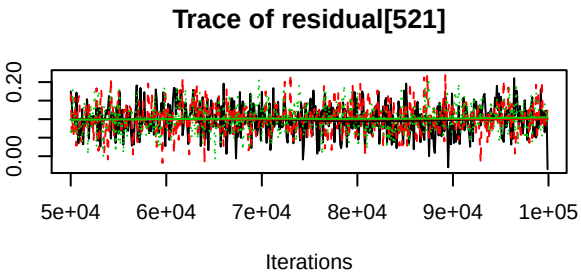

Trace of residual[51]
Iterations
Density of residual[51]
N = 500 Bandwidth = 0.01289
Trace of residual[510]
Iterations
Density of residual[510]
N = 500 Bandwidth = 0.006846
Trace of residual[511]
Iterations
Density of residual[511]
N = 500 Bandwidth = 0.00661
Trace of residual[512]
Iterations
Density of residual[512]
N = 500 Bandwidth = 0.006786

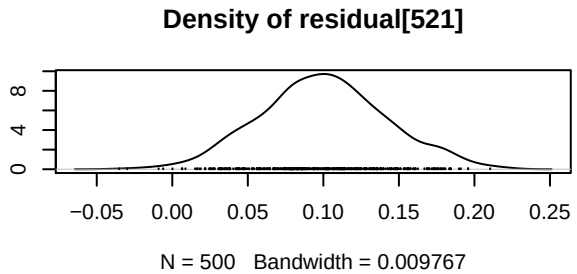

Trace of residual[513]
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[513]
0
6
12
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.006683
Trace of residual[514]
−0.05
0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[514]
0
6
12
−0.05
0.00
0.05
0.10
0.15
N = 500 Bandwidth = 0.006707
Trace of residual[515]
−0.25
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[515]
0
4
8
−0.2
−0.1
0.0
0.1
N = 500 Bandwidth = 0.01264
Trace of residual[516]
0.10
0.30
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[516]
0
4
8
0.05
0.10
0.15
0.20
0.25
0.30
0.35
N = 500 Bandwidth = 0.009406

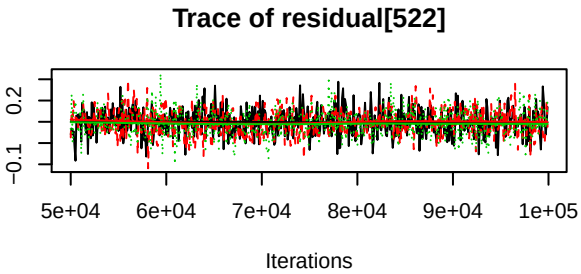

Trace of residual[517]
−0.40
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[517]
0
4
8
−0.40
−0.30
−0.20
−0.10
N = 500 Bandwidth = 0.009787
Trace of residual[518]
−0.15
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[518]
0
4
8
−0.20
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.007636
Trace of residual[519]
−0.3
0.1
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[519]
0
3
6
−0.3
−0.2
−0.1
0.0
0.1
0.2
0.3
N = 500 Bandwidth = 0.01363
Trace of residual[52]
0.30
0.50
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[52]
0
4
8
0.25
0.30
0.35
0.40
0.45
0.50
0.55
N = 500 Bandwidth = 0.009412

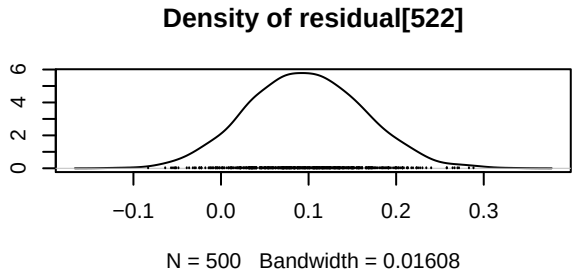

Trace of residual[520]
0.1
−0.2
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

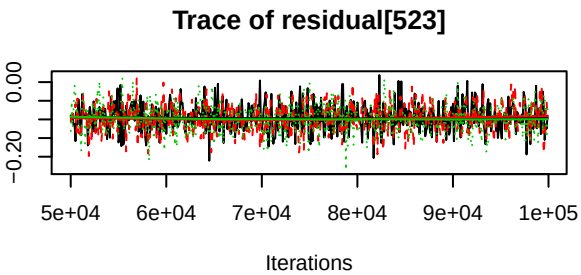

Density of residual[520]
0
3
6
−0.2
−0.1
0.0
0.1
0.2
N = 500 Bandwidth = 0.01547

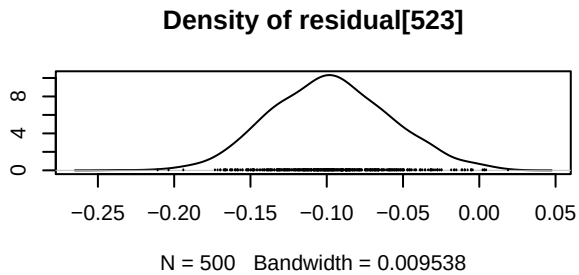

Trace of residual[521]
0.20
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

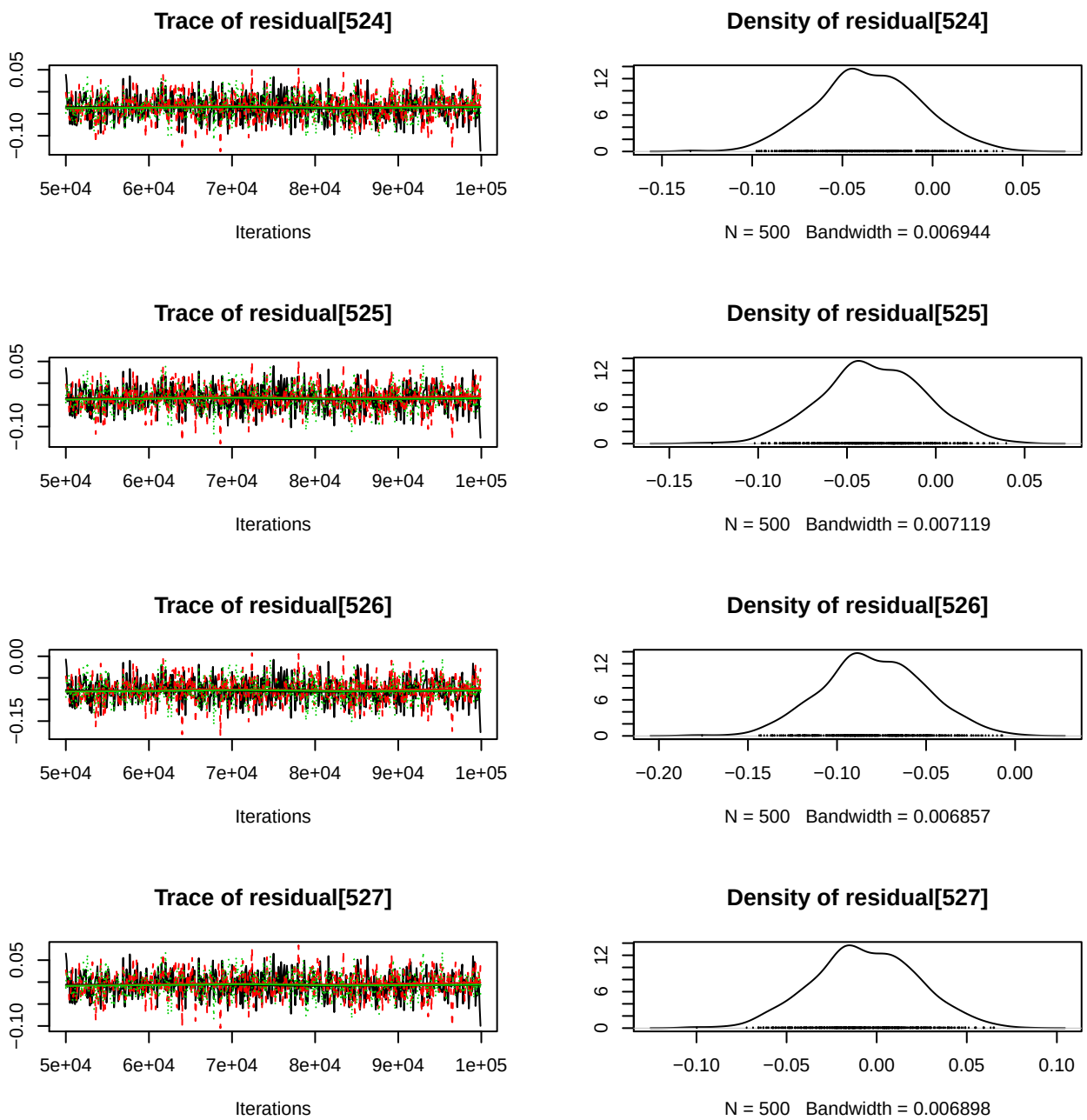

Density of residual[521]
0
4
8
−0.05
0.00
0.05
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.009767

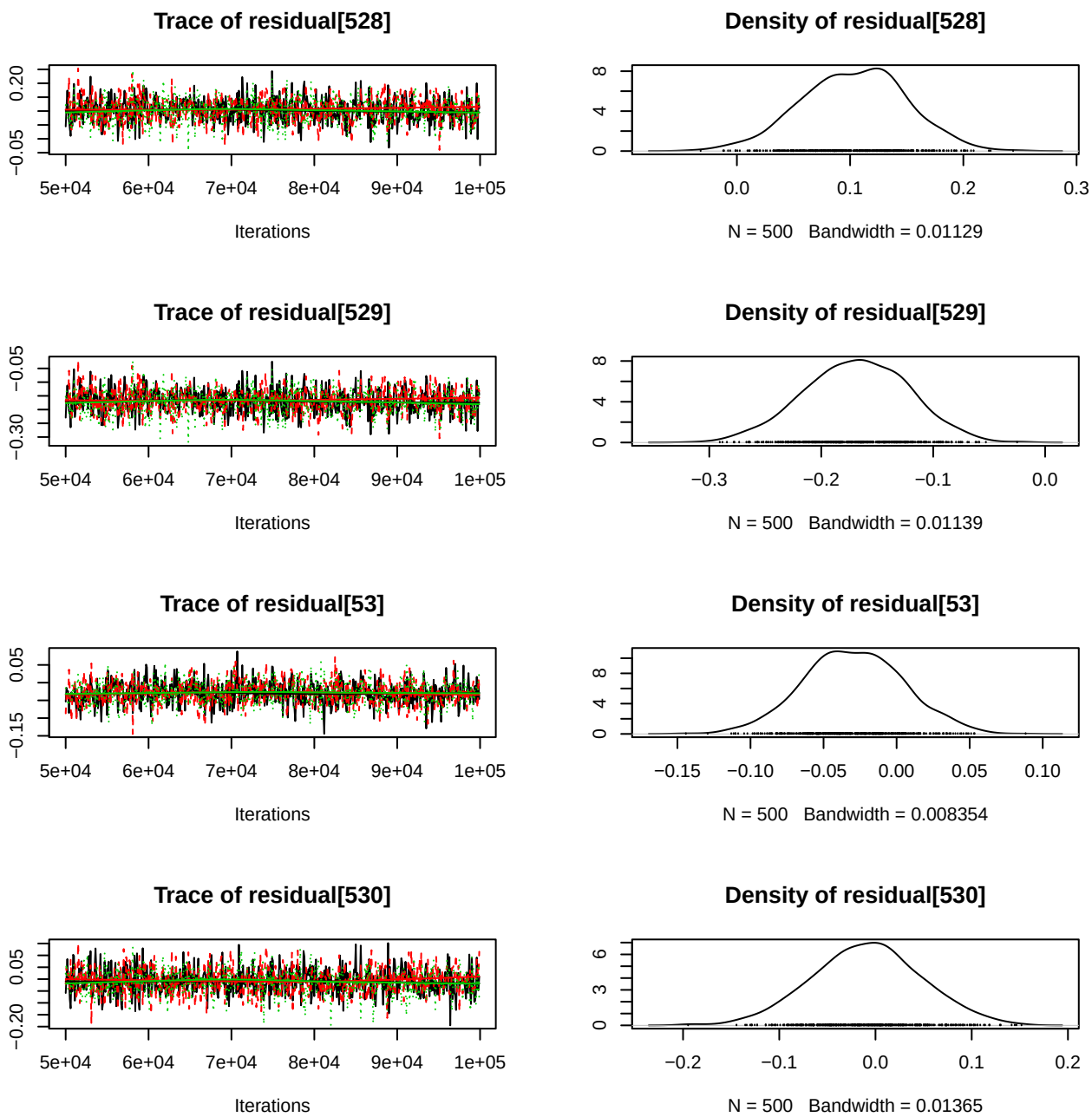

Trace of residual[522]
0.2
−0.1
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

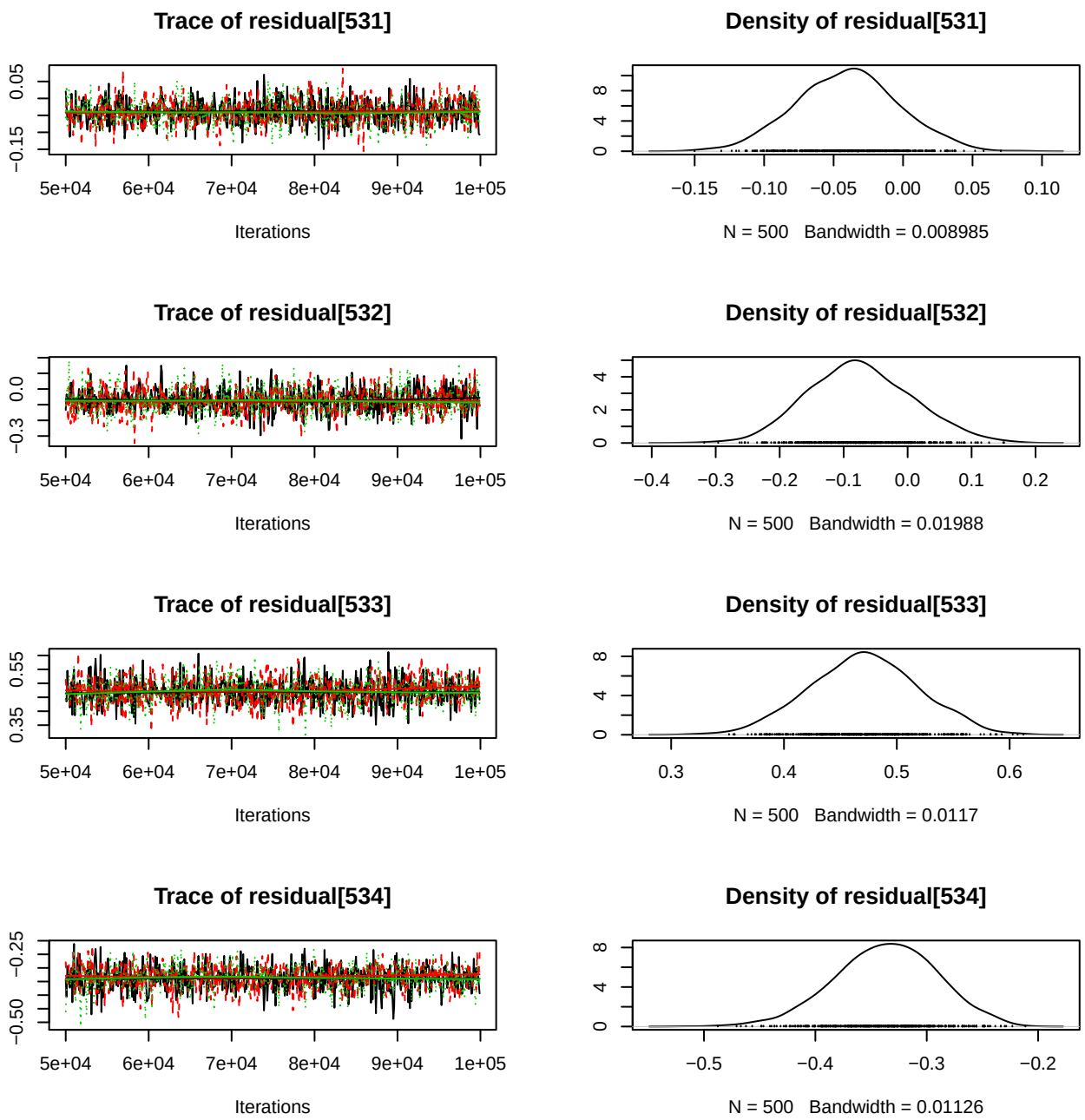

Density of residual[522]
0
2
4
6
−0.1
0.0
0.1
0.2
0.3
N = 500 Bandwidth = 0.01608

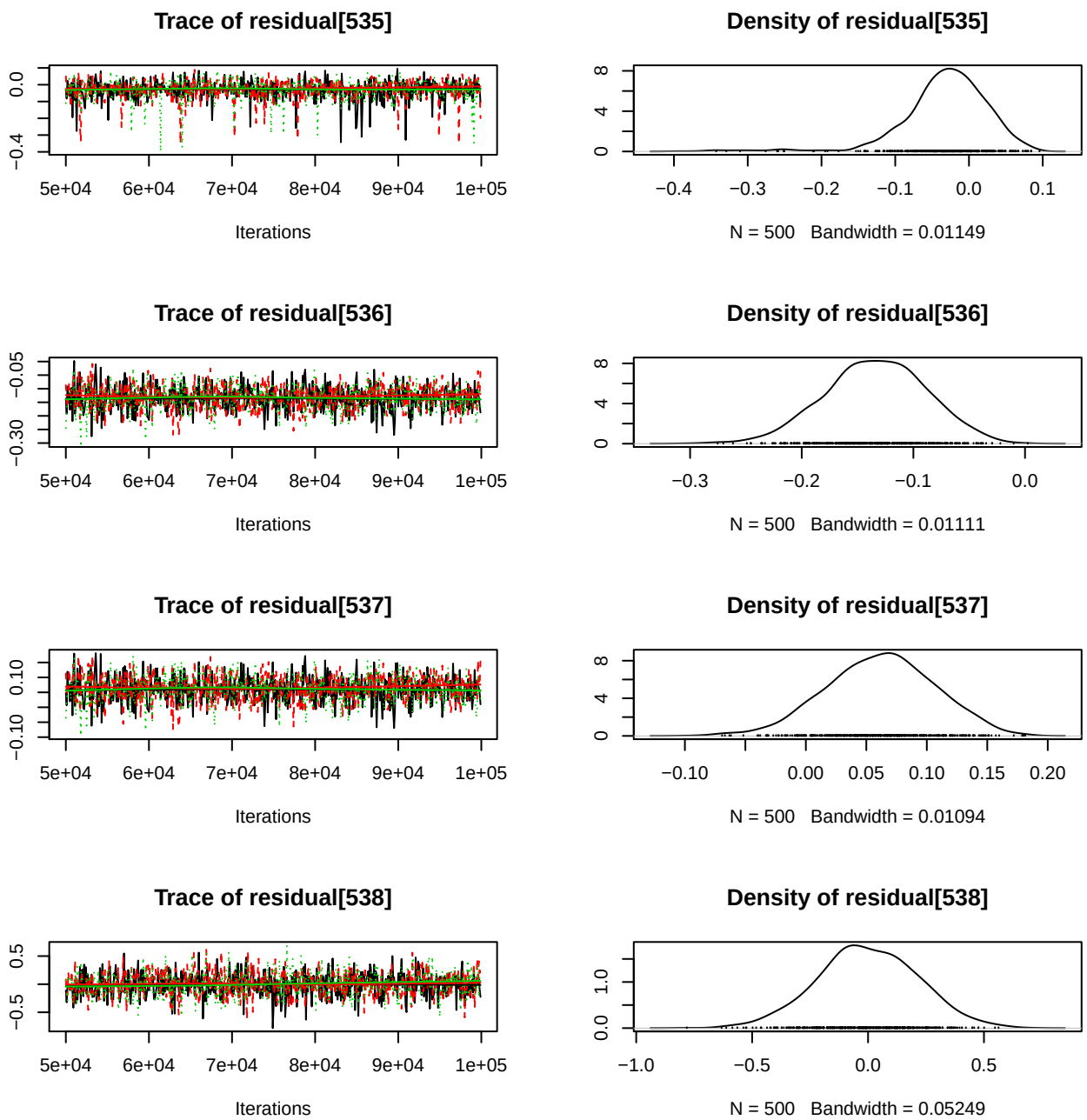

Trace of residual[523]
0.00
−0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations

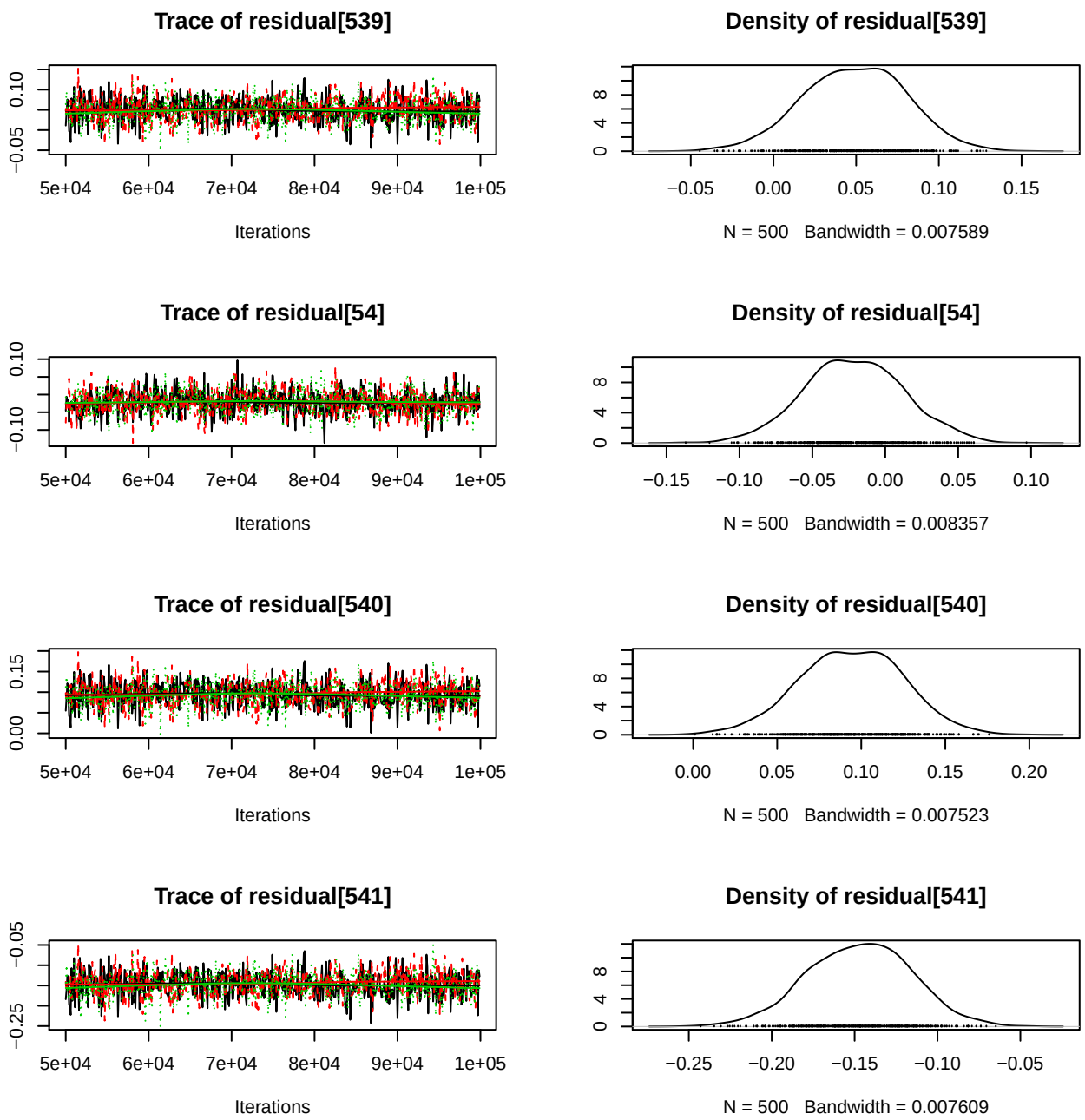

Density of residual[523]
0
4
8
−0.25
−0.20
−0.15
−0.10
−0.05
0.00
0.05
N = 500 Bandwidth = 0.009538

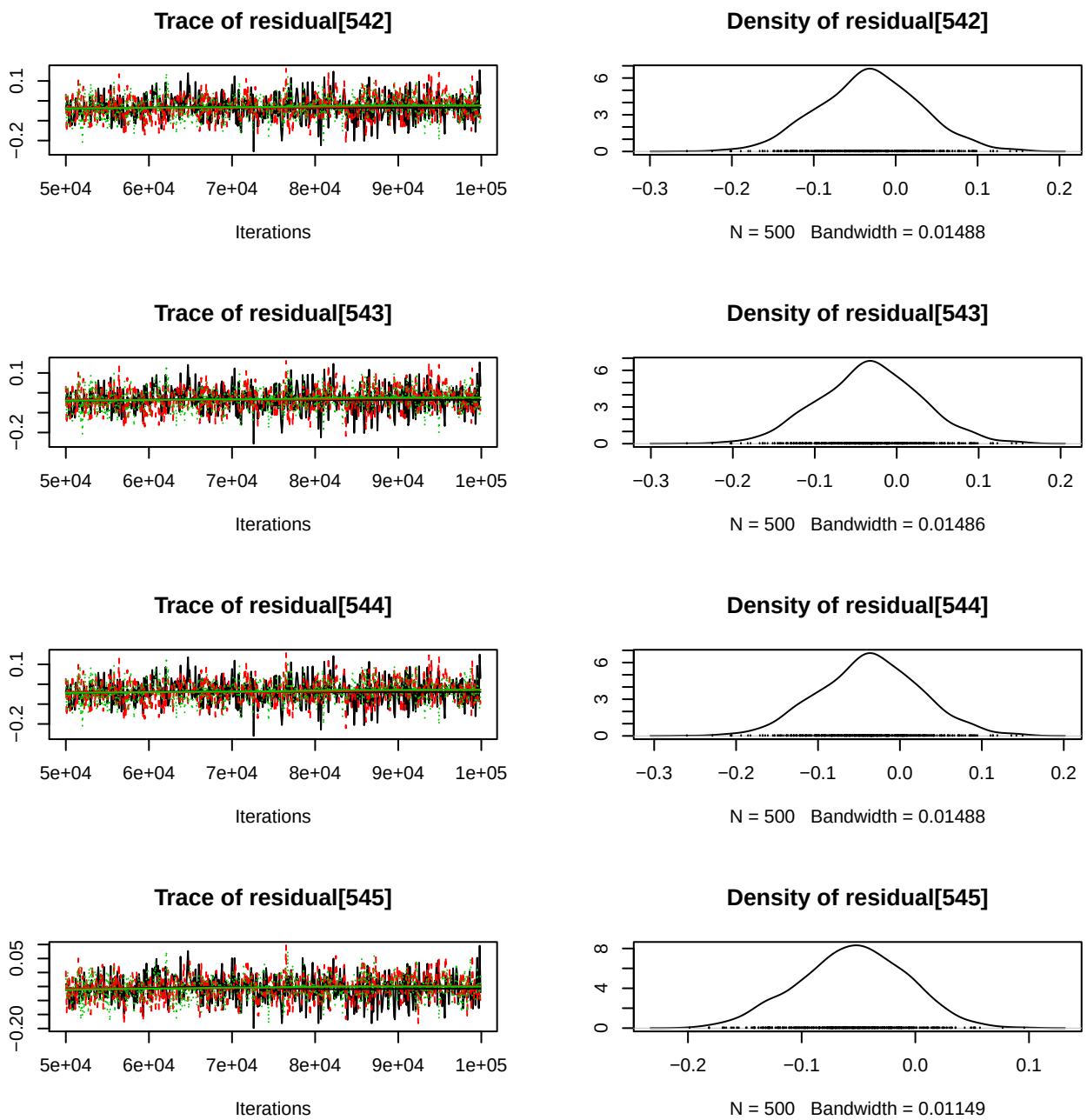

Trace of residual[524]
Iterations
Density of residual[524]
N = 500 Bandwidth = 0.006944
Trace of residual[525]
Iterations
Density of residual[525]
N = 500 Bandwidth = 0.007119
Trace of residual[526]
Iterations
Density of residual[526]
N = 500 Bandwidth = 0.006857
Trace of residual[527]
Iterations
Density of residual[527]
N = 500 Bandwidth = 0.006898

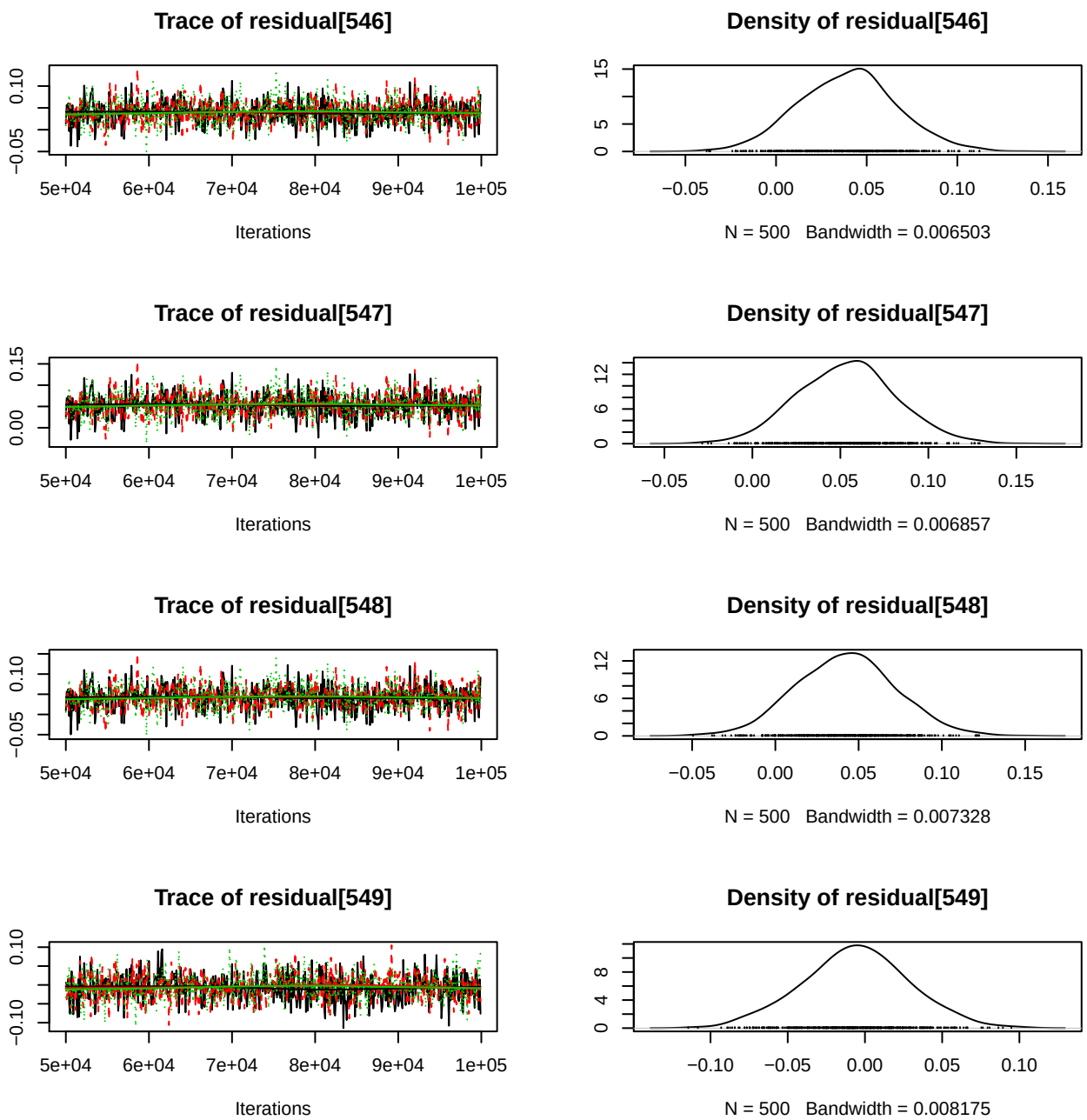

Trace of residual[528]
Iterations
Density of residual[528]
N = 500 Bandwidth = 0.01129
Trace of residual[529]
Iterations
Density of residual[529]
N = 500 Bandwidth = 0.01139
Trace of residual[53]
Iterations
Density of residual[53]
N = 500 Bandwidth = 0.008354
Trace of residual[530]
Iterations
Density of residual[530]
N = 500 Bandwidth = 0.01365

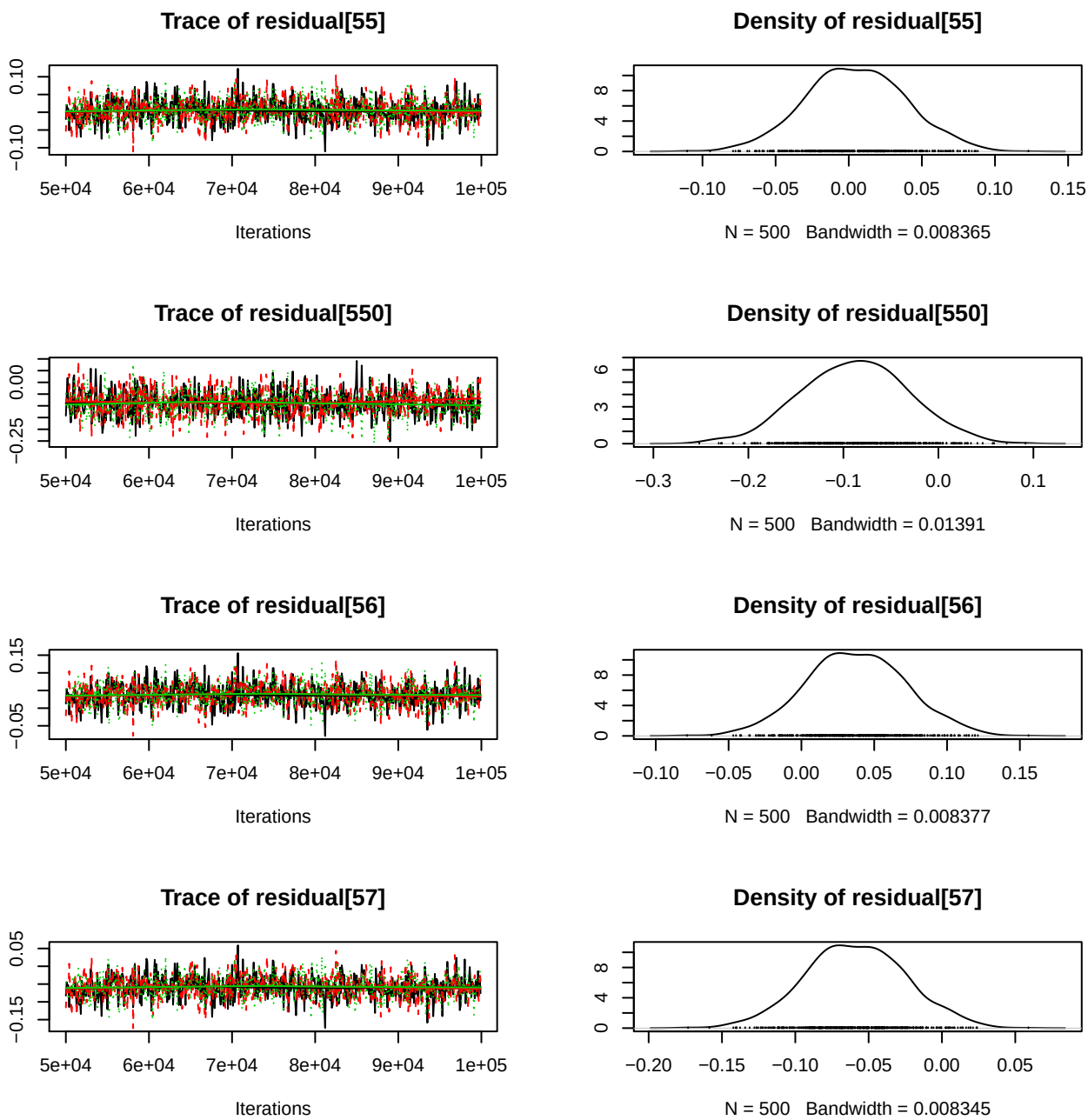

Trace of residual[531]
Iterations
Density of residual[531]
N = 500 Bandwidth = 0.008985
Trace of residual[532]
Iterations
Density of residual[532]
N = 500 Bandwidth = 0.01988
Trace of residual[533]
Iterations
Density of residual[533]
N = 500 Bandwidth = 0.0117
Trace of residual[534]
Iterations
Density of residual[534]
N = 500 Bandwidth = 0.01126

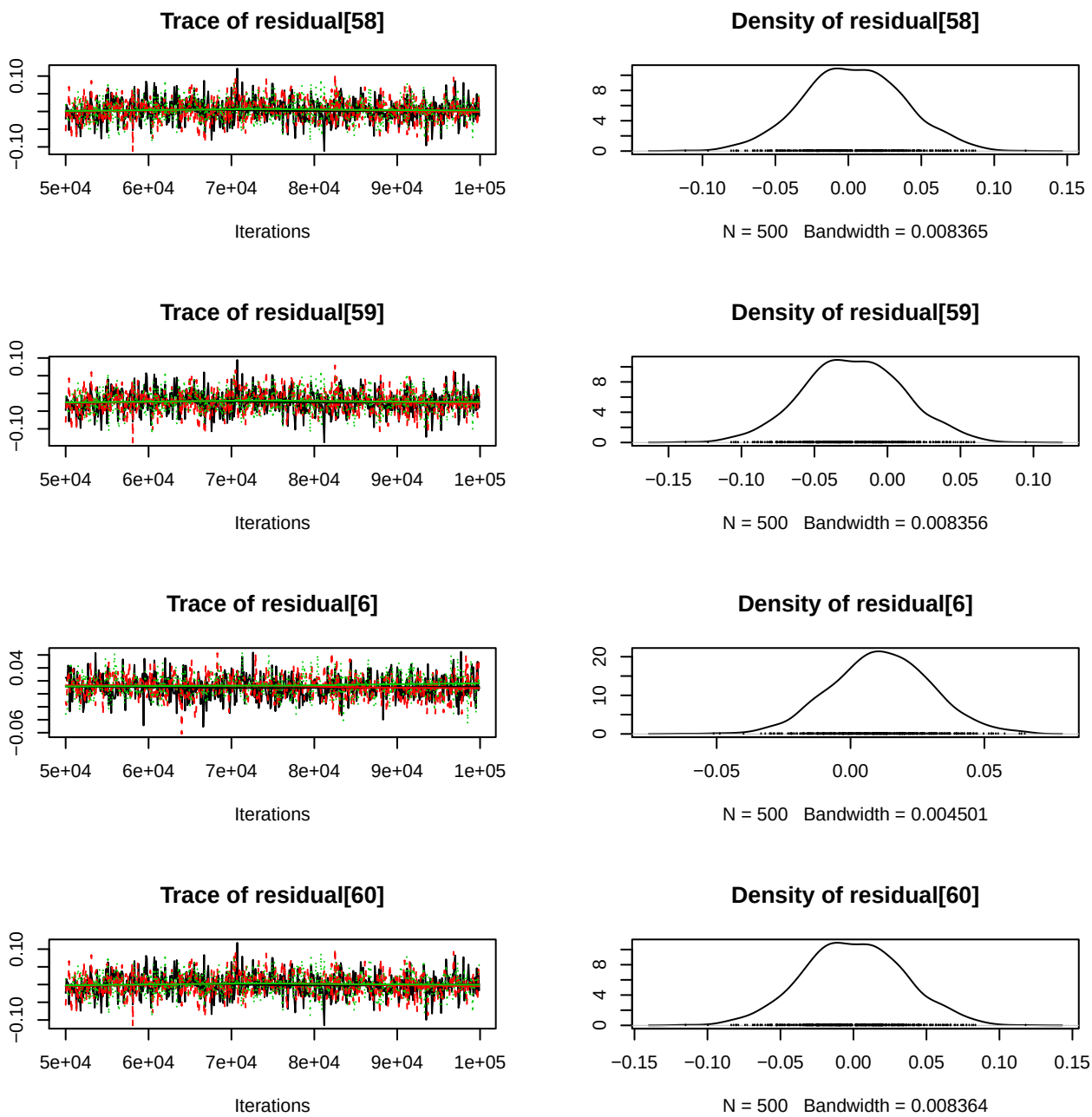

Trace of residual[535]
Iterations
Density of residual[535]
N = 500 Bandwidth = 0.01149
Trace of residual[536]
Iterations
Density of residual[536]
N = 500 Bandwidth = 0.01111
Trace of residual[537]
Iterations
Density of residual[537]
N = 500 Bandwidth = 0.01094
Trace of residual[538]
Iterations
Density of residual[538]
N = 500 Bandwidth = 0.05249

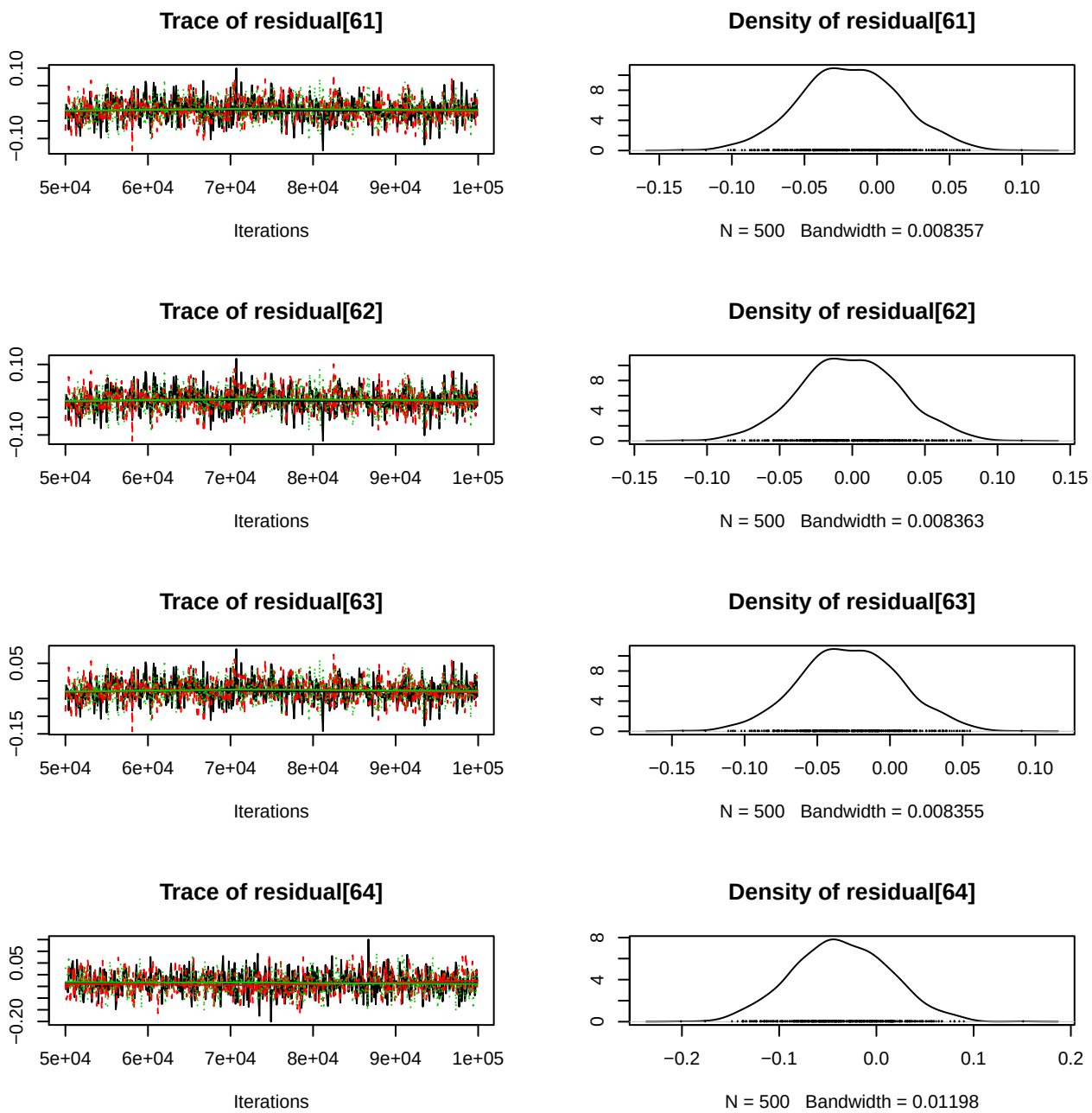

Trace of residual[539]
Iterations
Density of residual[539]
N = 500 Bandwidth = 0.007589
Trace of residual[54]
Iterations
Density of residual[54]
N = 500 Bandwidth = 0.008357
Trace of residual[540]
Iterations
Density of residual[540]
N = 500 Bandwidth = 0.007523
Trace of residual[541]
Iterations
Density of residual[541]
N = 500 Bandwidth = 0.007609

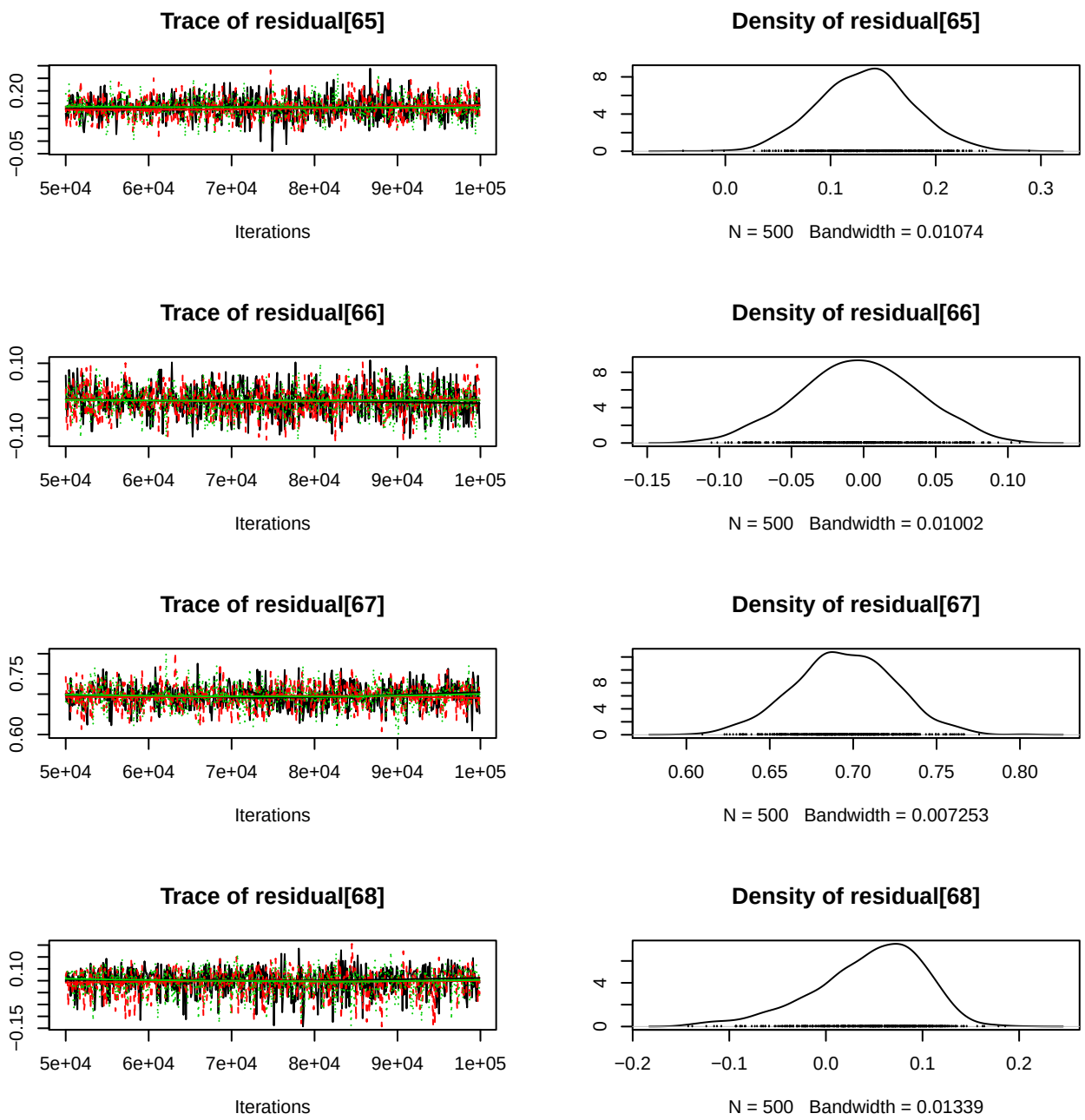

Trace of residual[542]
Iterations
Density of residual[542]
N = 500 Bandwidth = 0.01488
Trace of residual[543]
Iterations
Density of residual[543]
N = 500 Bandwidth = 0.01486
Trace of residual[544]
Iterations
Density of residual[544]
N = 500 Bandwidth = 0.01488
Trace of residual[545]
Iterations
Density of residual[545]
N = 500 Bandwidth = 0.01149

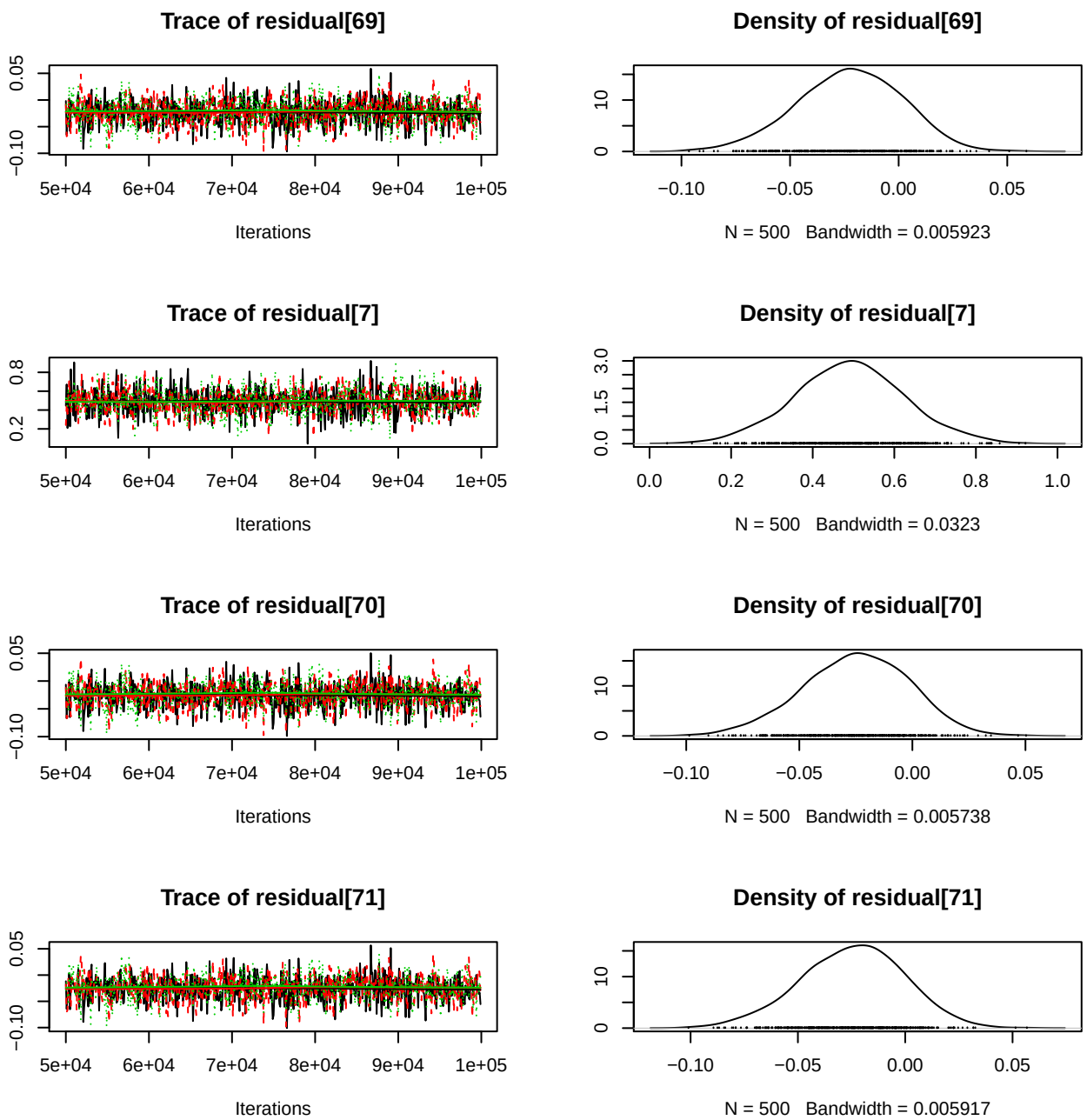

Trace of residual[546]
Iterations
Density of residual[546]
N = 500 Bandwidth = 0.006503
Trace of residual[547]
Iterations
Density of residual[547]
N = 500 Bandwidth = 0.006857
Trace of residual[548]
Iterations
Density of residual[548]
N = 500 Bandwidth = 0.007328
Trace of residual[549]
Iterations
Density of residual[549]
N = 500 Bandwidth = 0.008175

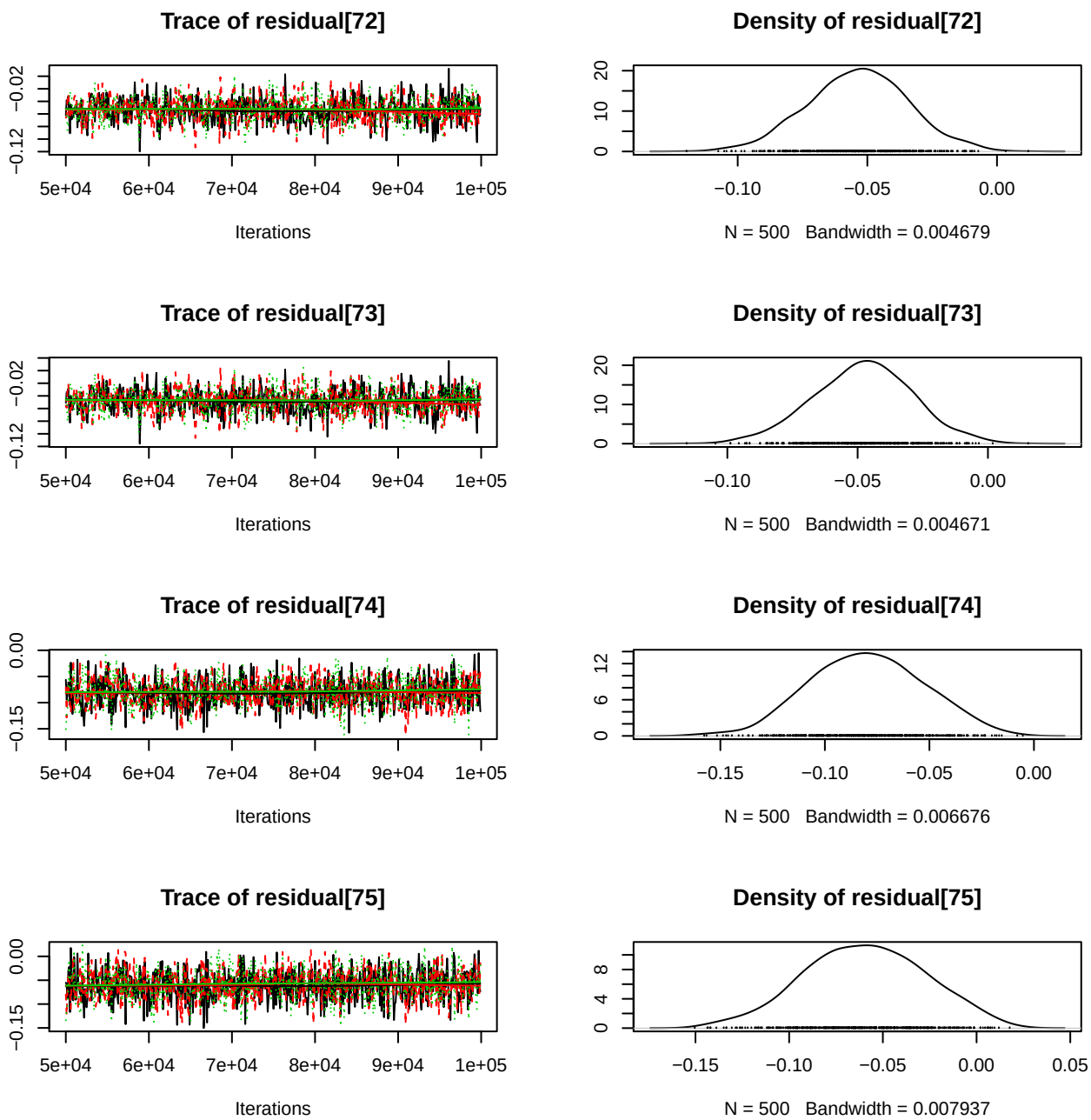

Trace of residual[55]
Iterations
Density of residual[55]
N = 500 Bandwidth = 0.008365
Trace of residual[550]
Iterations
Density of residual[550]
N = 500 Bandwidth = 0.01391
Trace of residual[56]
Iterations
Density of residual[56]
N = 500 Bandwidth = 0.008377
Trace of residual[57]
Iterations
Density of residual[57]
N = 500 Bandwidth = 0.008345

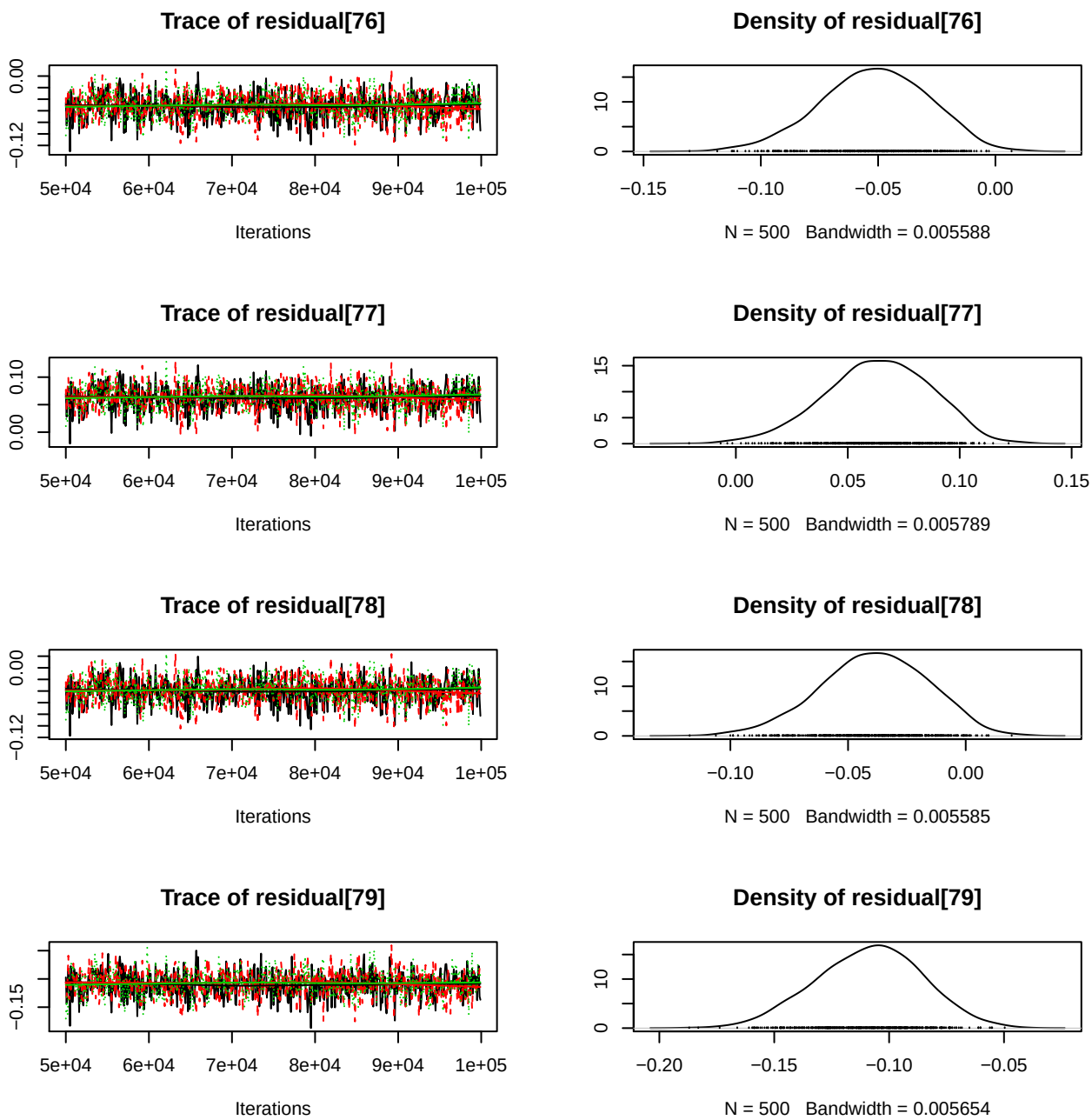

Trace of residual[58]
Iterations
Density of residual[58]
N = 500 Bandwidth = 0.008365
Trace of residual[59]
Iterations
Density of residual[59]
N = 500 Bandwidth = 0.008356
Trace of residual[6]
Iterations
Density of residual[6]
N = 500 Bandwidth = 0.004501
Trace of residual[60]
Iterations
Density of residual[60]
N = 500 Bandwidth = 0.008364

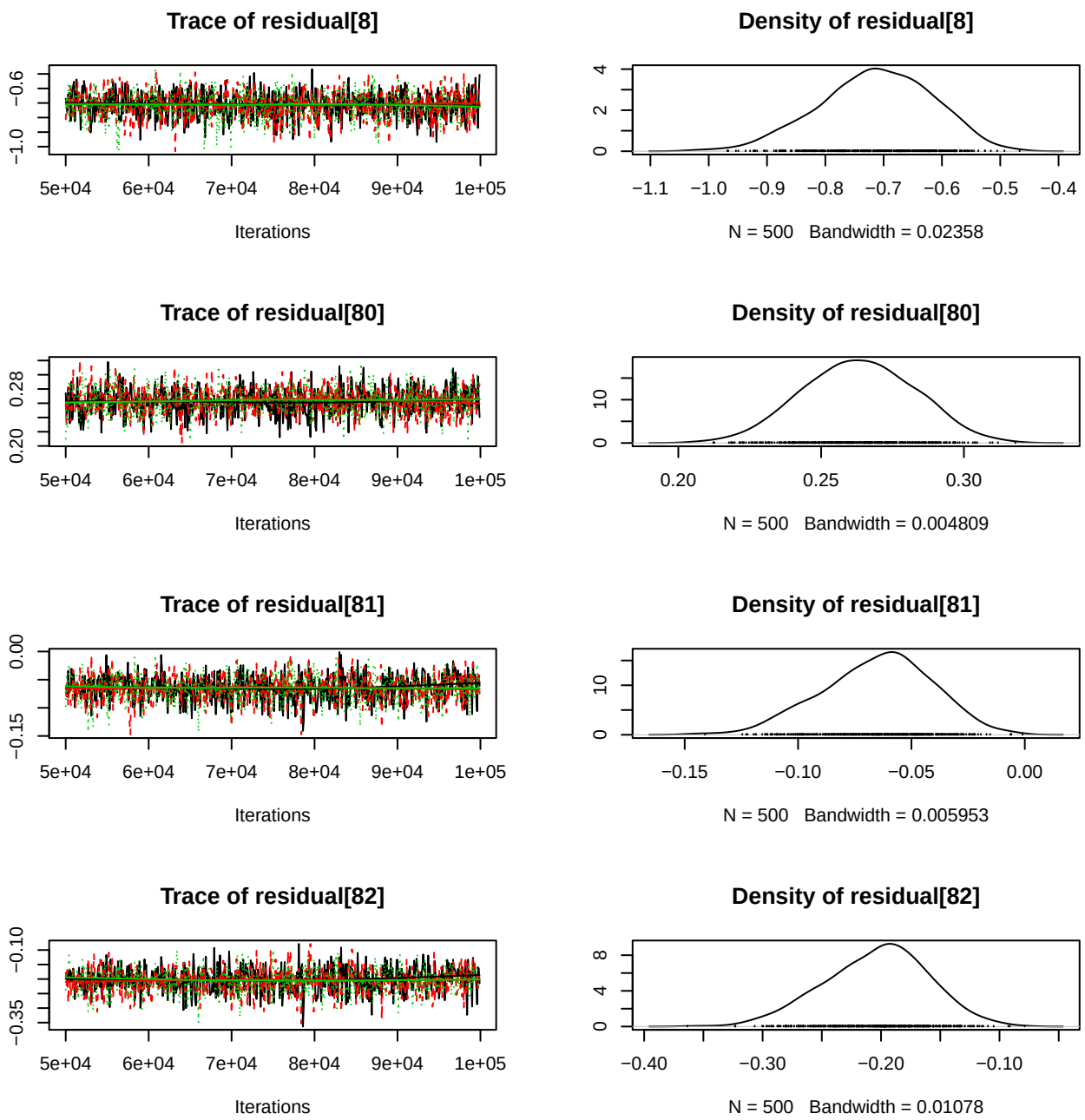

Trace of residual[61]
Iterations
Density of residual[61]
N = 500 Bandwidth = 0.008357
Trace of residual[62]
Iterations
Density of residual[62]
N = 500 Bandwidth = 0.008363
Trace of residual[63]
Iterations
Density of residual[63]
N = 500 Bandwidth = 0.008355
Trace of residual[64]
Iterations
Density of residual[64]
N = 500 Bandwidth = 0.01198

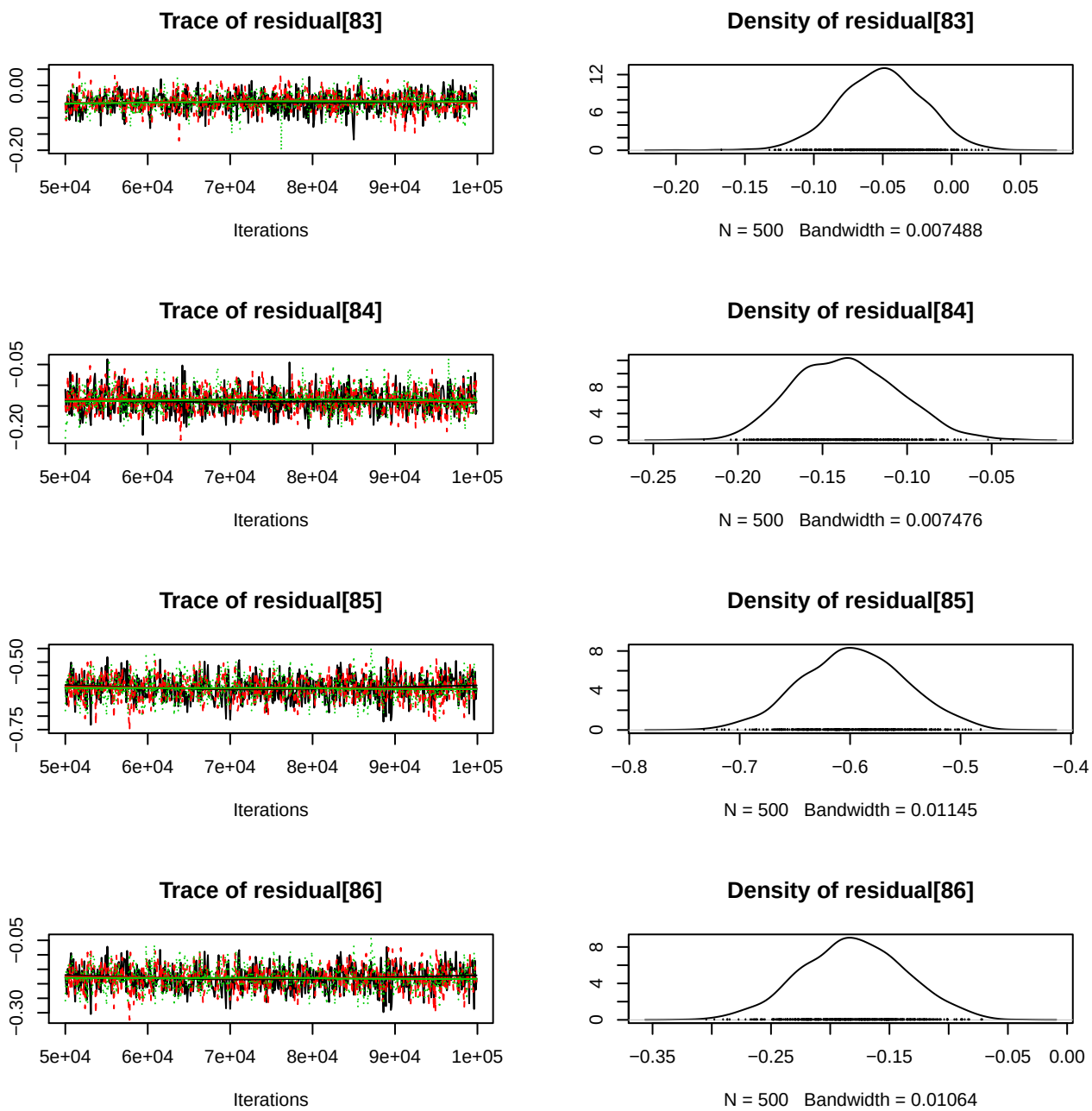

Trace of residual[65]
Iterations
Density of residual[65]
N = 500 Bandwidth = 0.01074
Trace of residual[66]
Iterations
Density of residual[66]
N = 500 Bandwidth = 0.01002
Trace of residual[67]
Iterations
Density of residual[67]
N = 500 Bandwidth = 0.007253
Trace of residual[68]
Iterations
Density of residual[68]
N = 500 Bandwidth = 0.01339

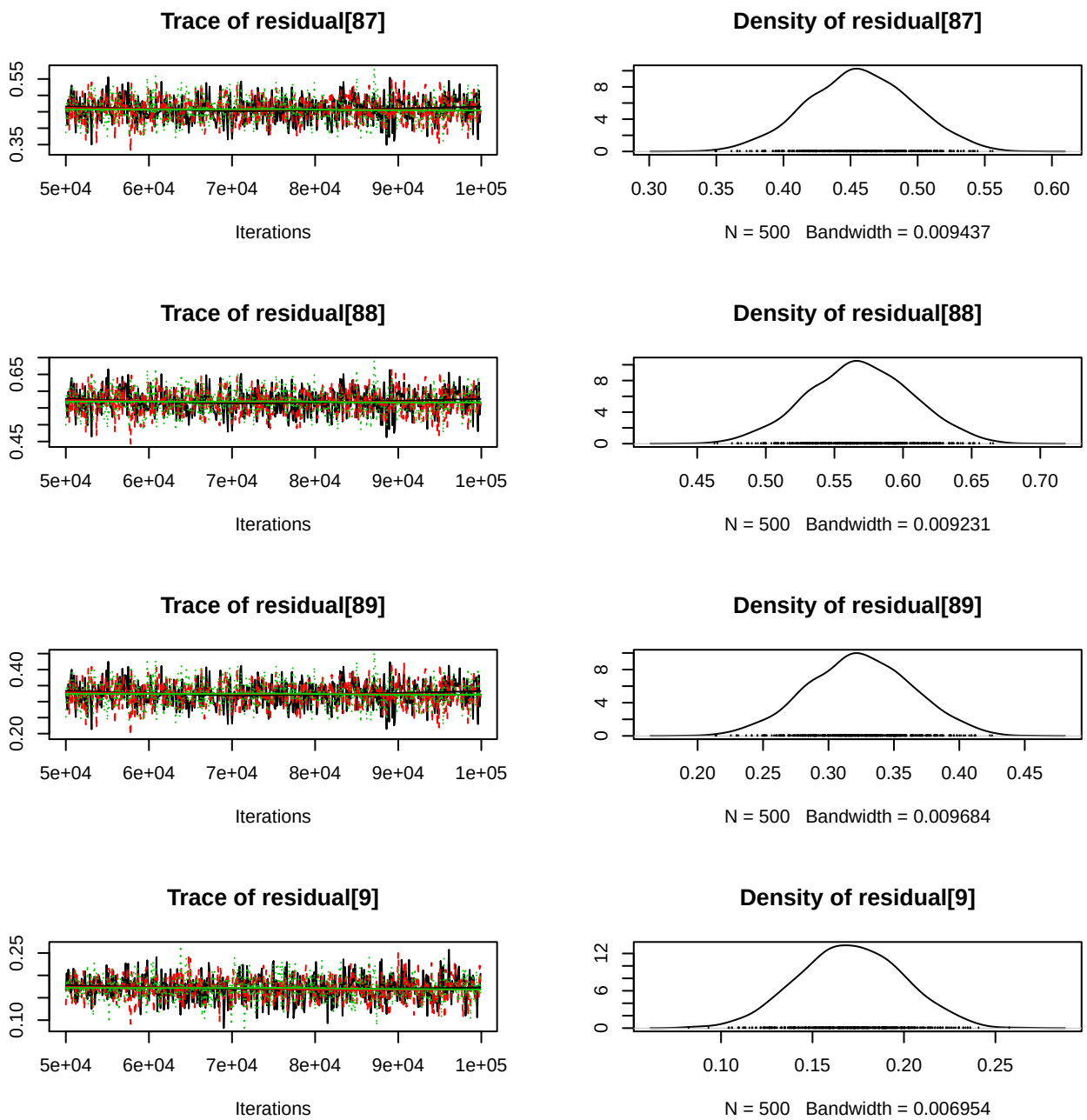

Trace of residual[69]
Iterations
Density of residual[69]
N = 500 Bandwidth = 0.005923
Trace of residual[7]
Iterations
Density of residual[7]
N = 500 Bandwidth = 0.0323
Trace of residual[70]
Iterations
Density of residual[70]
N = 500 Bandwidth = 0.005738
Trace of residual[71]
Iterations
Density of residual[71]
N = 500 Bandwidth = 0.005917

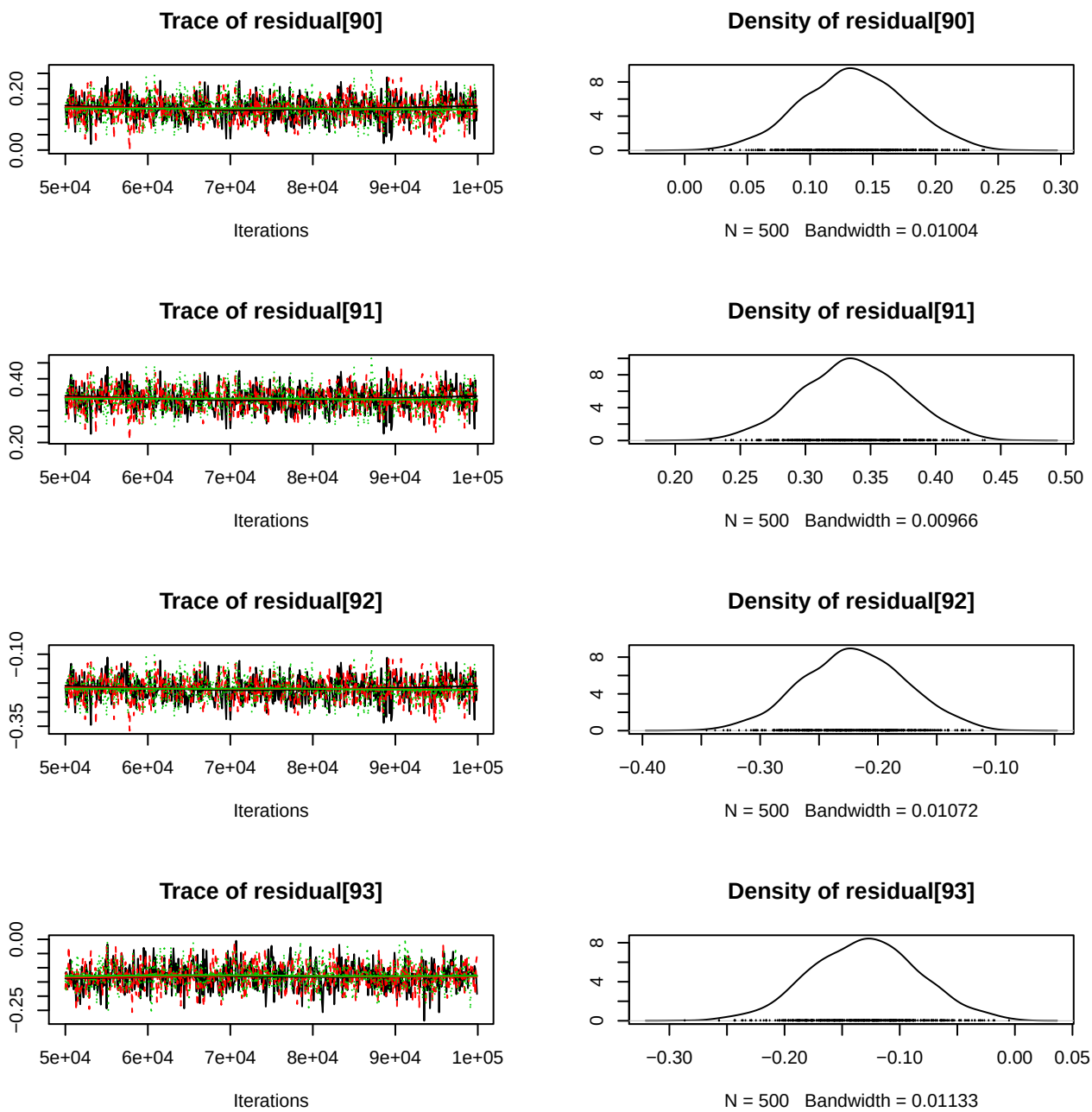

Trace of residual[72]
Iterations
Density of residual[72]
N = 500 Bandwidth = 0.004679
Trace of residual[73]
Iterations
Density of residual[73]
N = 500 Bandwidth = 0.004671
Trace of residual[74]
Iterations
Density of residual[74]
N = 500 Bandwidth = 0.006676
Trace of residual[75]
Iterations
Density of residual[75]
N = 500 Bandwidth = 0.007937

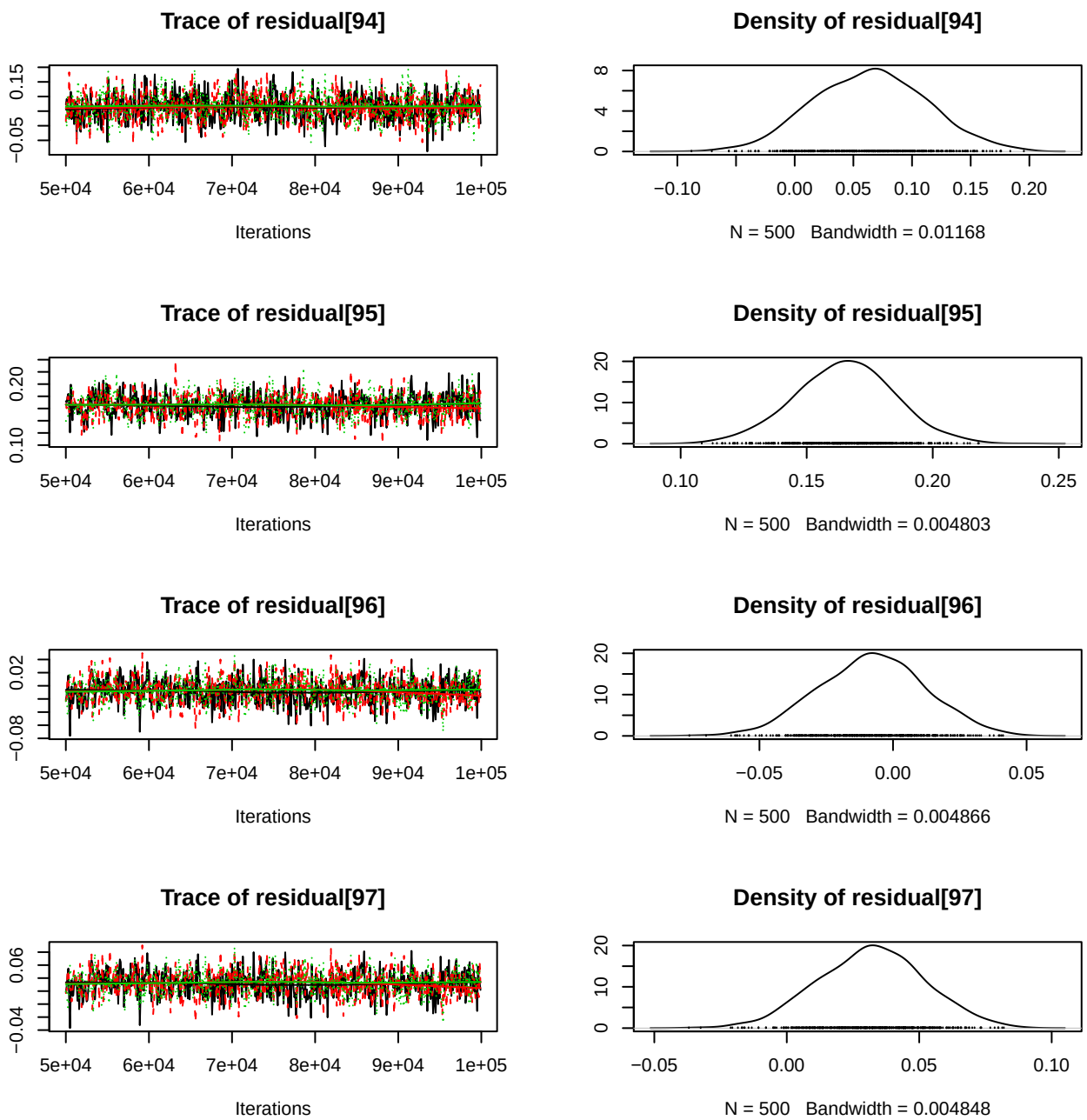

Trace of residual[76]
Iterations
Density of residual[76]
N = 500 Bandwidth = 0.005588
Trace of residual[77]
Iterations
Density of residual[77]
N = 500 Bandwidth = 0.005789
Trace of residual[78]
Iterations
Density of residual[78]
N = 500 Bandwidth = 0.005585
Trace of residual[79]
Iterations
Density of residual[79]
N = 500 Bandwidth = 0.005654

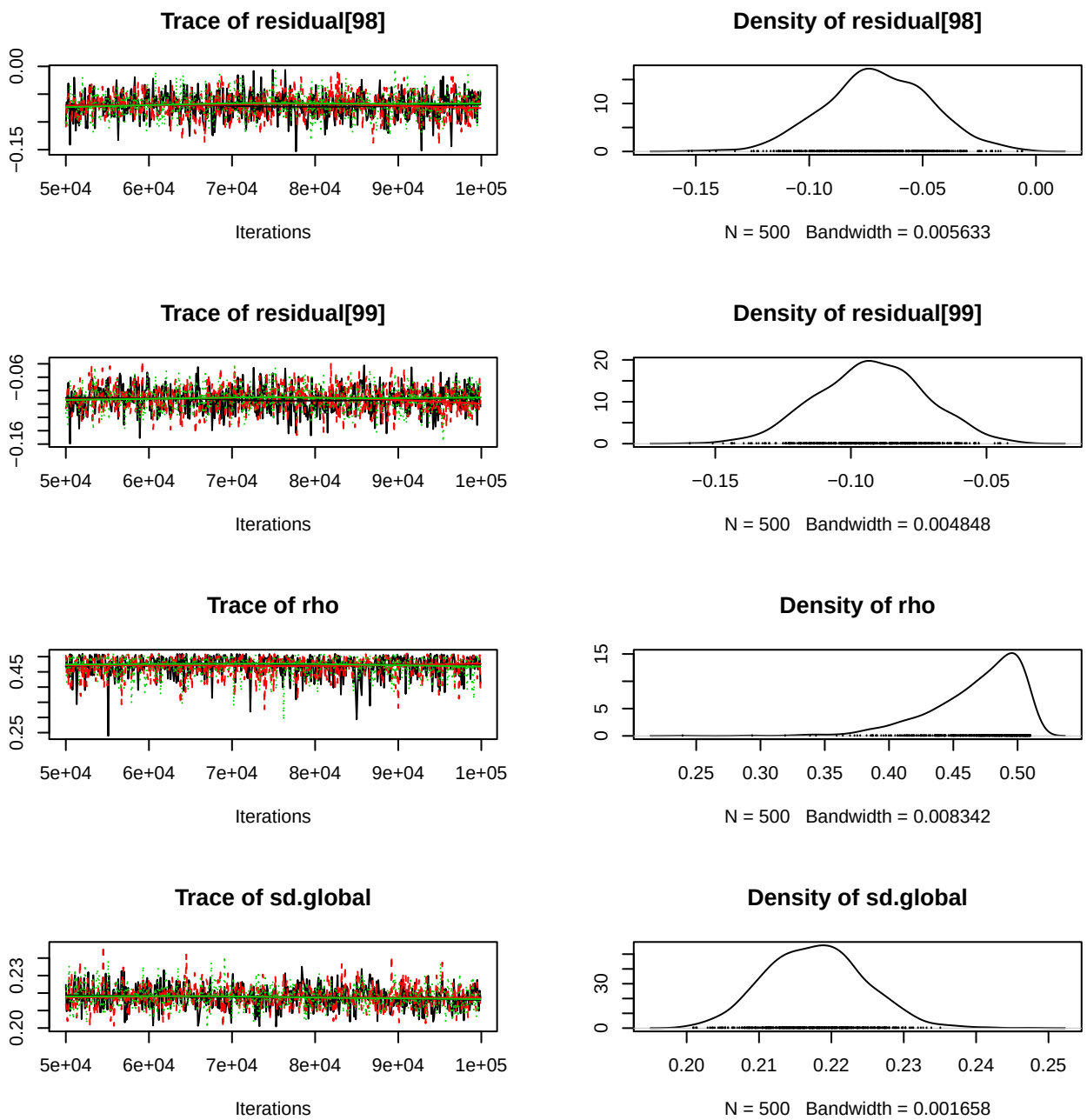

Trace of residual[8]
−1.0
−0.6
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[8]
0
2
4
−1.1
−1.0
−0.9
−0.8
−0.7
−0.6
−0.5
−0.4
N = 500 Bandwidth = 0.02358
Trace of residual[80]
0.20
0.28
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[80]
0
10
0.20
0.25
0.30
N = 500 Bandwidth = 0.004809
Trace of residual[81]
−0.15
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[81]
0
10
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005953
Trace of residual[82]
−0.35
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[82]
0
4
8
−0.40
−0.30
−0.20
−0.10
N = 500 Bandwidth = 0.01078

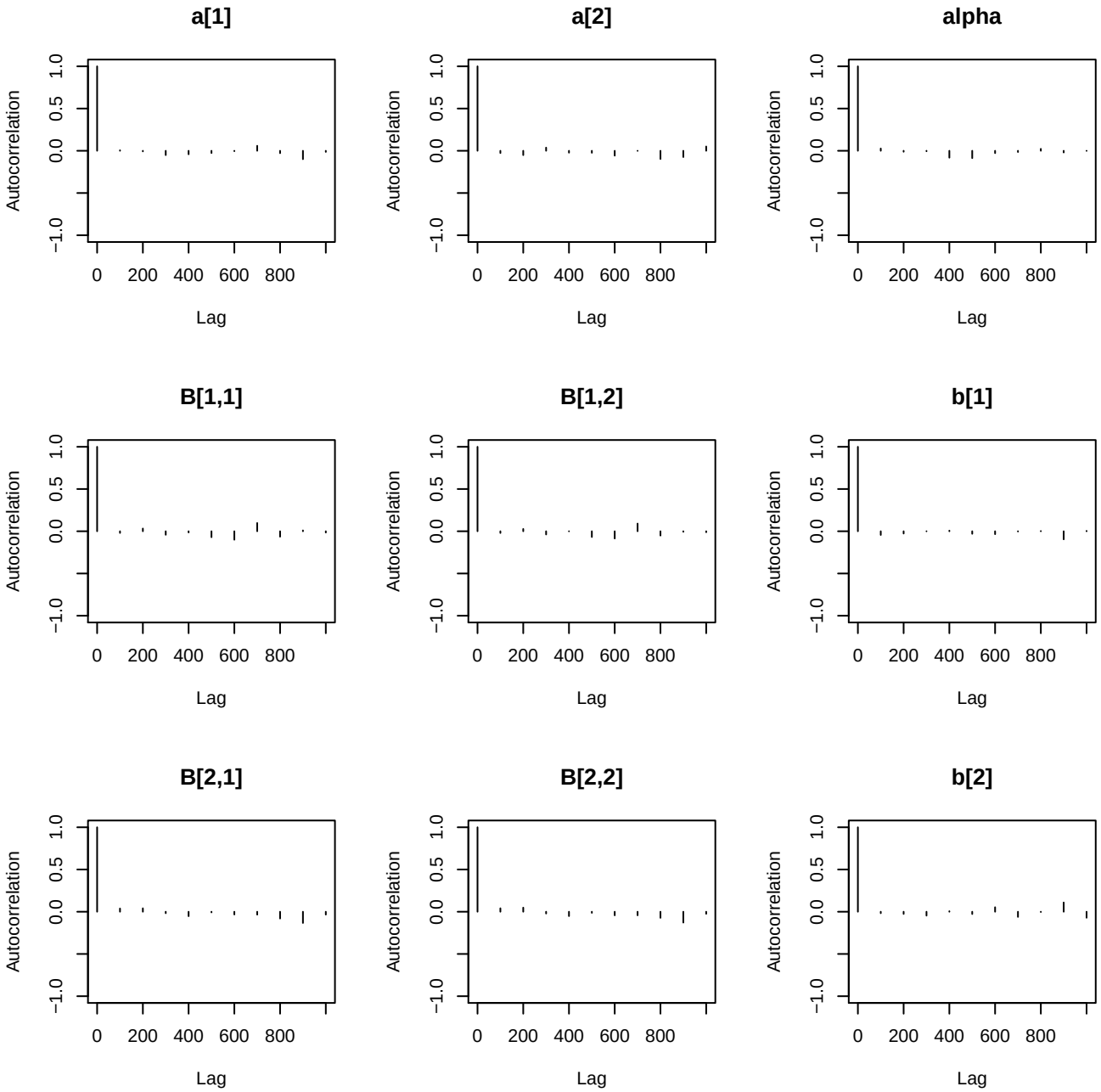

Trace of residual[83]
Iterations
Density of residual[83]
N = 500 Bandwidth = 0.007488
Trace of residual[84]
Iterations
Density of residual[84]
N = 500 Bandwidth = 0.007476
Trace of residual[85]
Iterations
Density of residual[85]
N = 500 Bandwidth = 0.01145
Trace of residual[86]
Iterations
Density of residual[86]
N = 500 Bandwidth = 0.01064

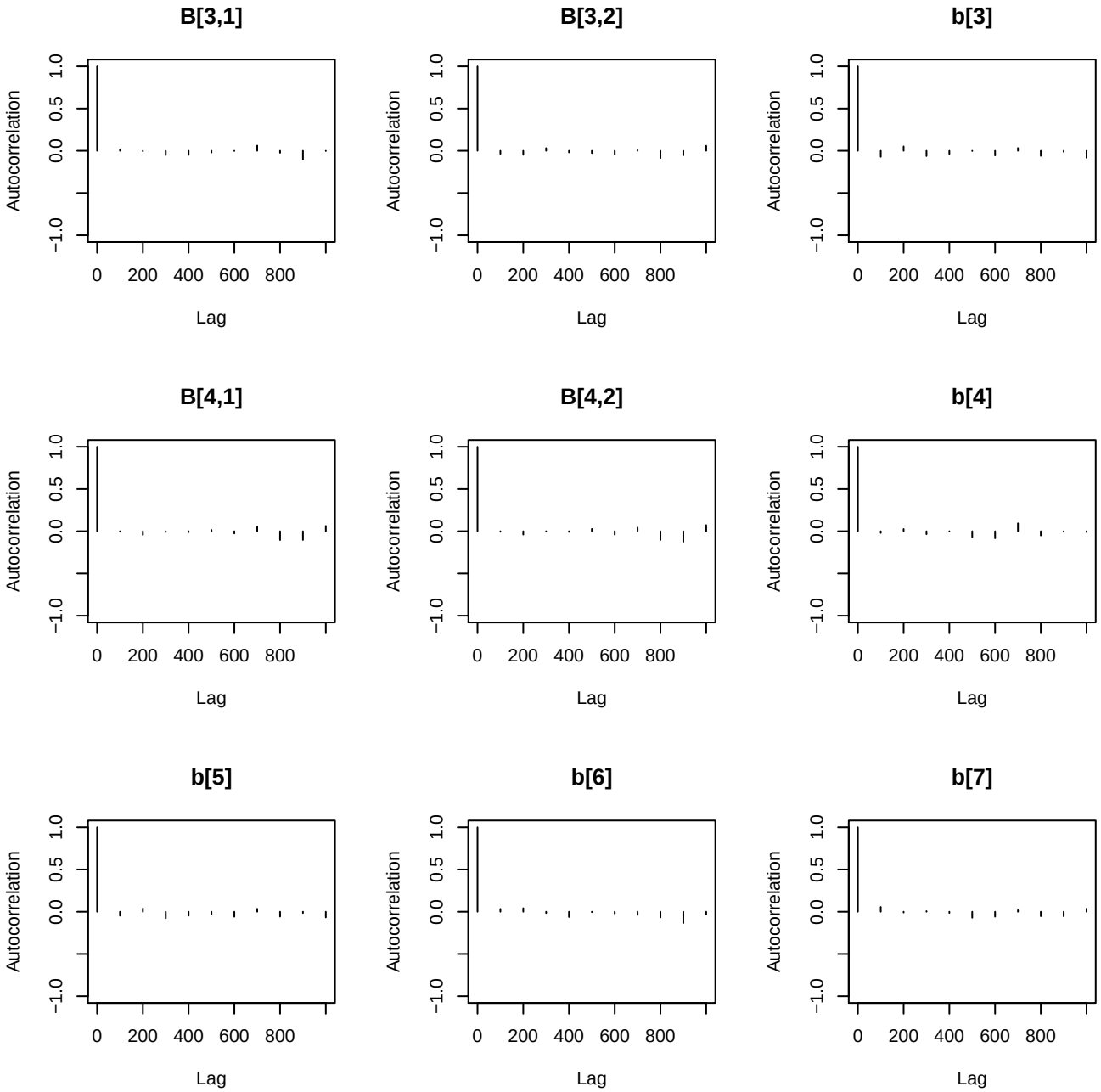

Trace of residual[87]
0.35
0.55
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[87]
0
4
8
0.30
0.35
0.40
0.45
0.50
0.55
0.60
N = 500 Bandwidth = 0.009437
Trace of residual[88]
0.45
0.65
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[88]
0
4
8
0.45
0.50
0.55
0.60
0.65
0.70
N = 500 Bandwidth = 0.009231
Trace of residual[89]
0.20
0.40
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[89]
0
4
8
0.20
0.25
0.30
0.35
0.40
0.45
N = 500 Bandwidth = 0.009684
Trace of residual[9]
0.10
0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[9]
0
6
12
0.10
0.15
0.20
0.25
N = 500 Bandwidth = 0.006954

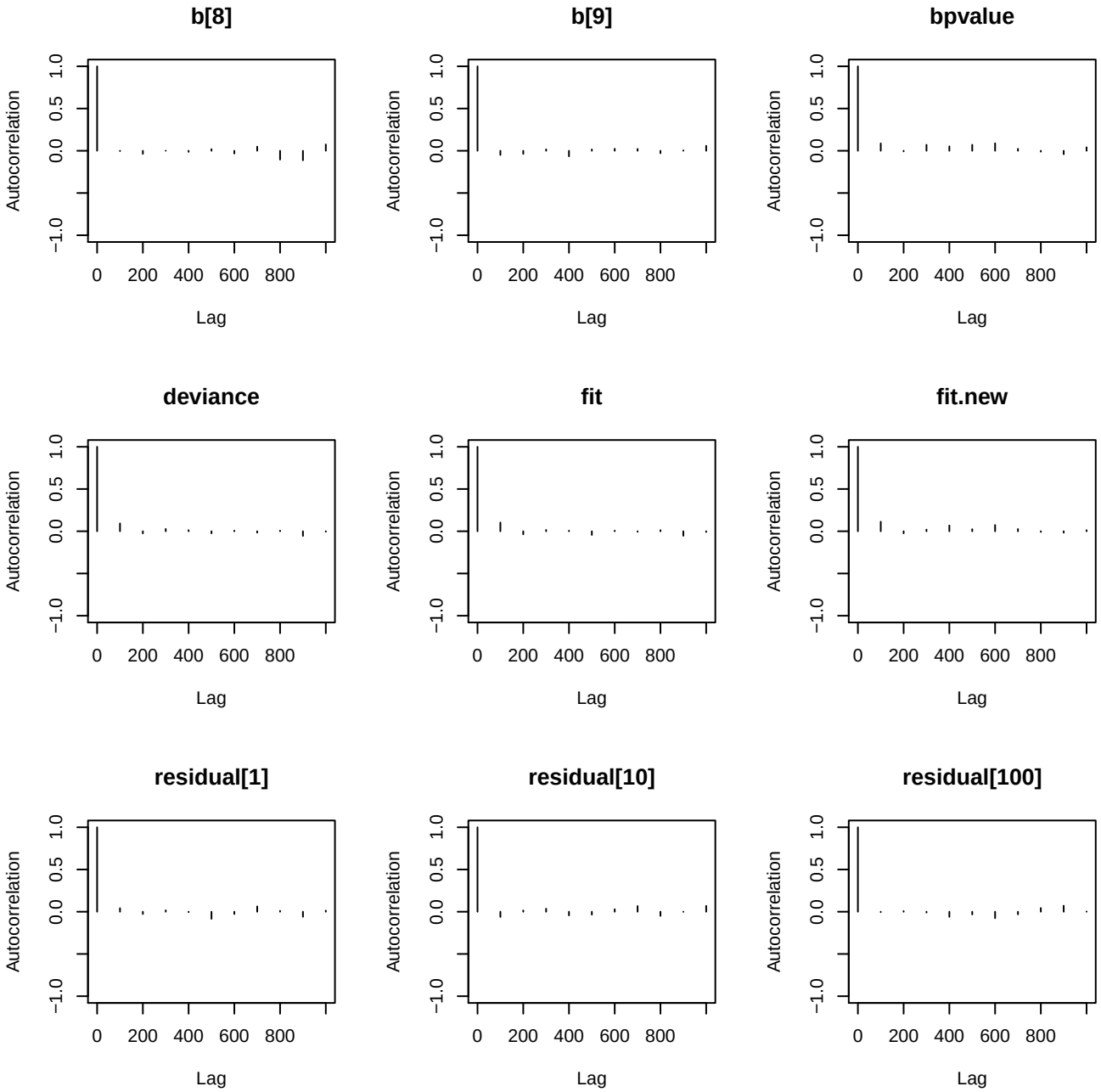

Trace of residual[90]
0.00
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[90]
0
4
8
0.00
0.05
0.10
0.15
0.20
0.25
0.30
N = 500 Bandwidth = 0.01004
Trace of residual[91]
0.20
0.40
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[91]
0
4
8
0.20
0.25
0.30
0.35
0.40
0.45
0.50
N = 500 Bandwidth = 0.00966
Trace of residual[92]
−0.35
−0.10
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[92]
0
4
8
−0.40
−0.30
−0.20
−0.10
N = 500 Bandwidth = 0.01072
Trace of residual[93]
−0.25
0.00
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[93]
0
4
8
−0.30
−0.20
−0.10
0.00
0.05
N = 500 Bandwidth = 0.01133

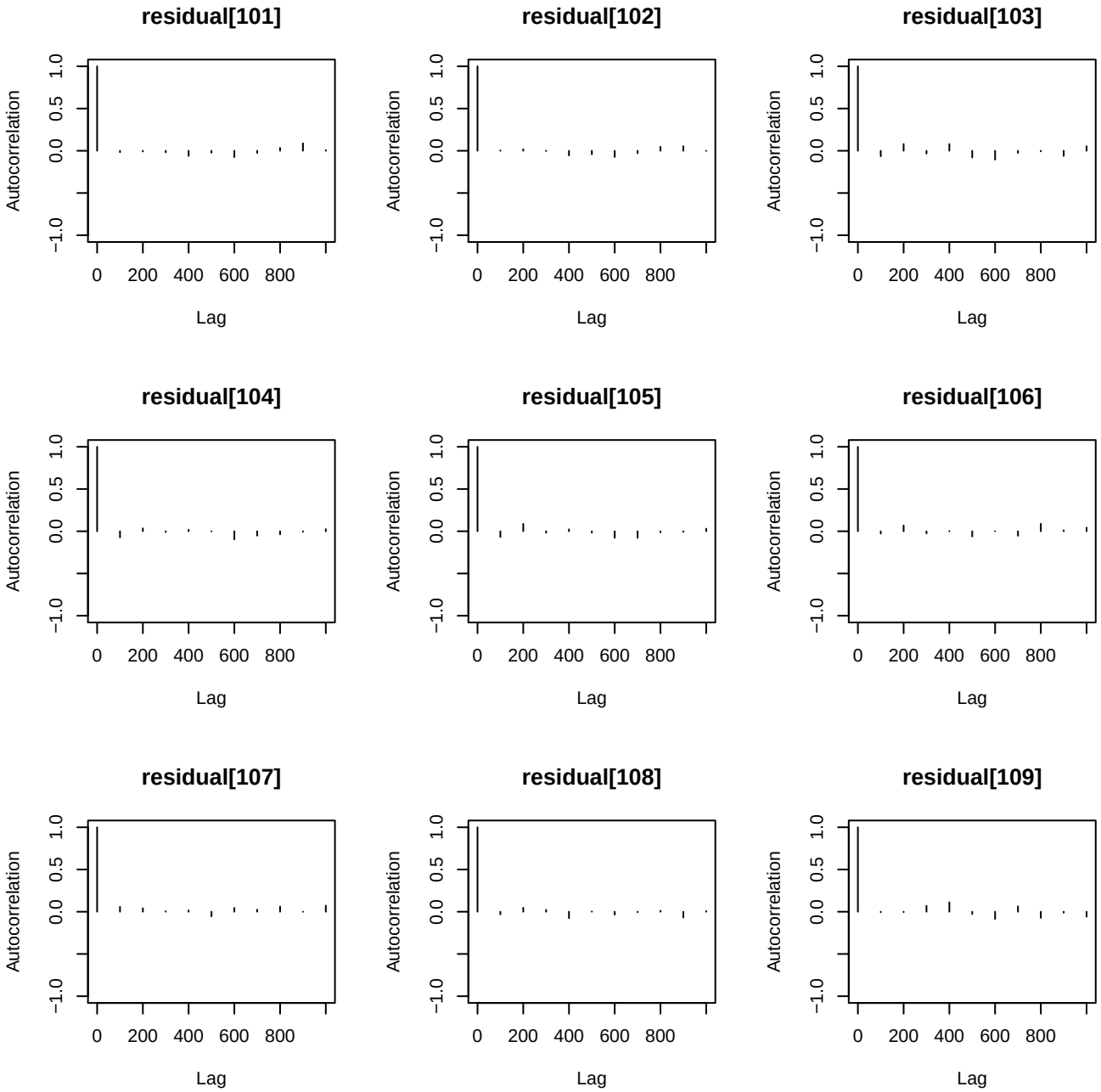

Trace of residual[94]
Iterations
Density of residual[94]
N = 500 Bandwidth = 0.01168
Trace of residual[95]
Iterations
Density of residual[95]
N = 500 Bandwidth = 0.004803
Trace of residual[96]
Iterations
Density of residual[96]
N = 500 Bandwidth = 0.004866
Trace of residual[97]
Iterations
Density of residual[97]
N = 500 Bandwidth = 0.004848

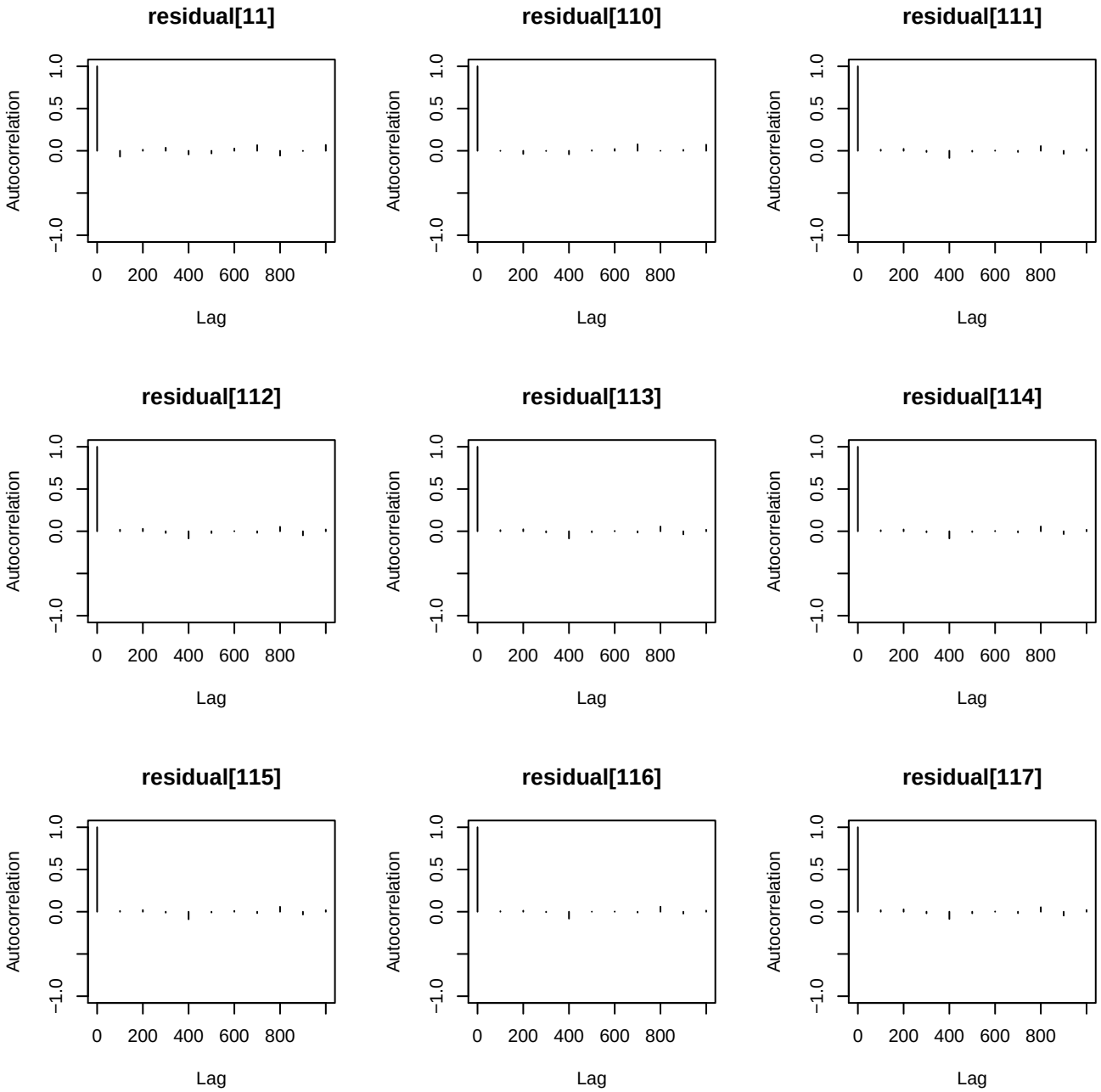

Trace of residual[98]
0.00
−0.15
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[98]
10
0
−0.15
−0.10
−0.05
0.00
N = 500 Bandwidth = 0.005633
Trace of residual[99]
−0.06
−0.16
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of residual[99]
20
10
0
−0.15
−0.10
−0.05
N = 500 Bandwidth = 0.004848
Trace of rho
0.45
0.25
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of rho
15
5
0
0.25
0.30
0.35
0.40
0.45
0.50
N = 500 Bandwidth = 0.008342
Trace of sd.global
0.23
0.20
5e+04
6e+04
7e+04
8e+04
9e+04
1e+05
Iterations
Density of sd.global
30
0
0.20
0.21
0.22
0.23
0.24
0.25
N = 500 Bandwidth = 0.001658

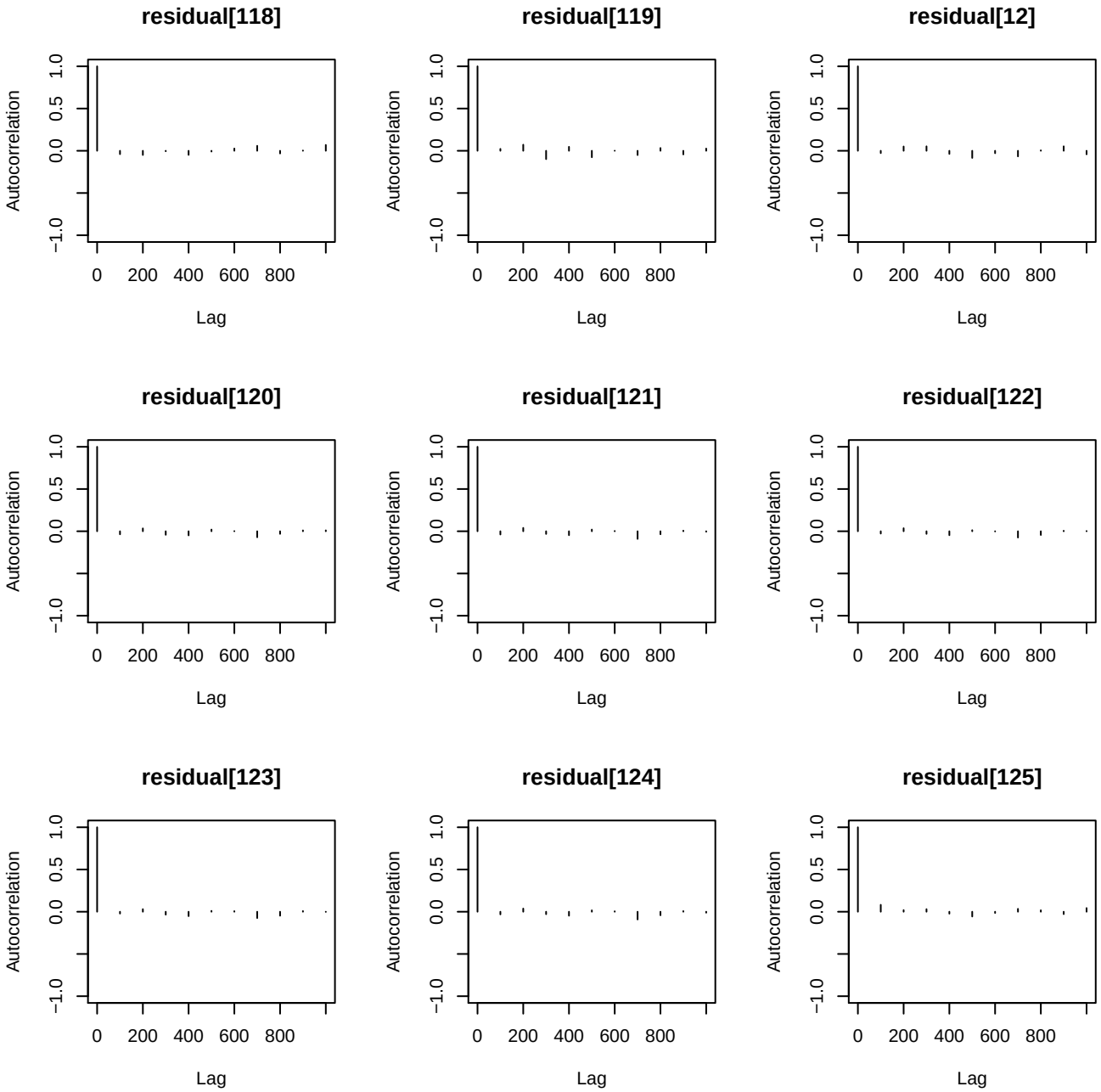

a[1]
a[2]
alpha
B[1,1]
B[1,2]
b[1]
B[2,1]
B[2,2]
b[2]
Autocorrelation
−1.0
0.0
0.5
1.0
0
200
400
600
800
Lag

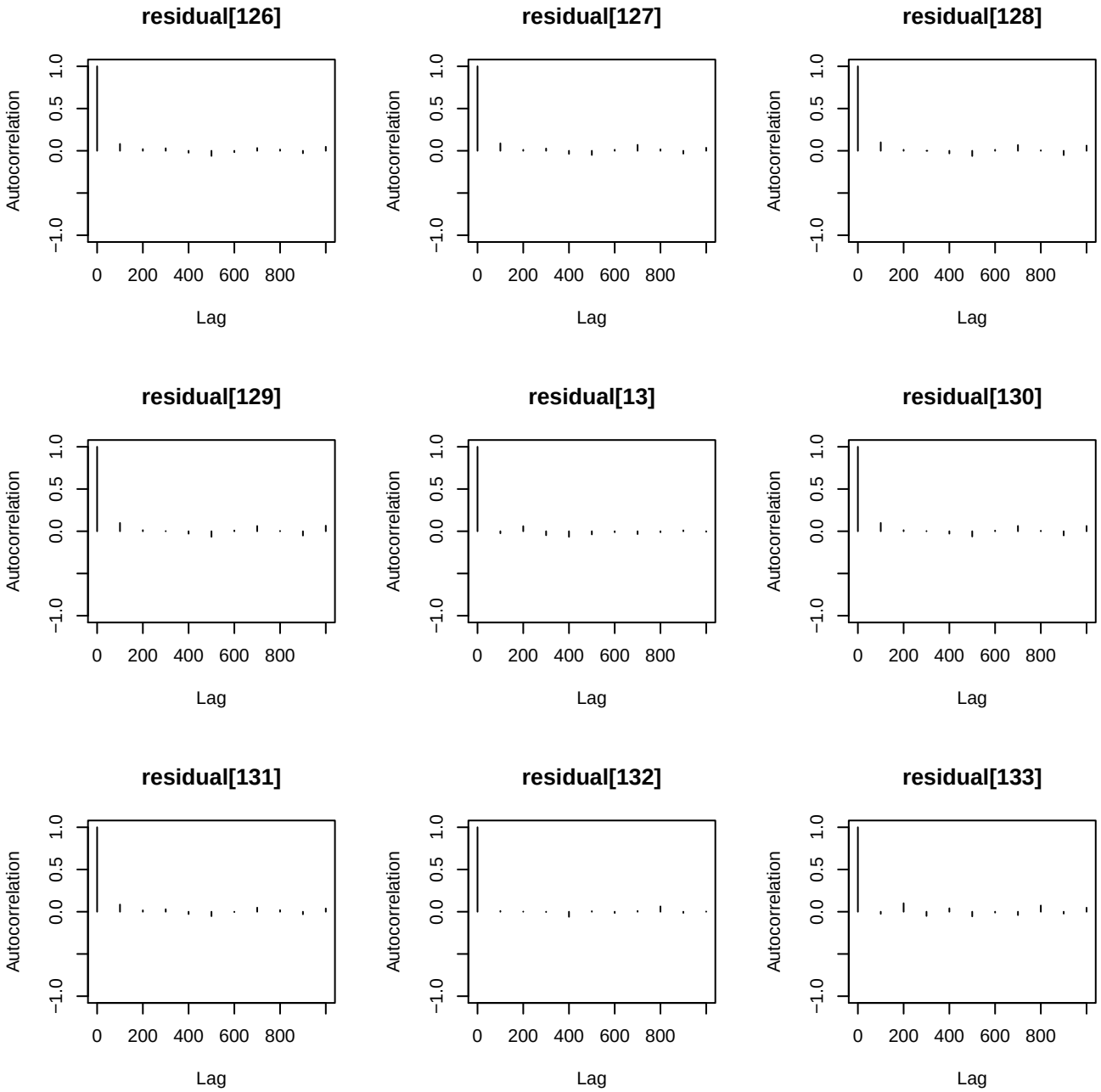

B[3,1]
B[3,2]
b[3]
B[4,1]
B[4,2]
b[4]
b[5]
b[6]
b[7]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

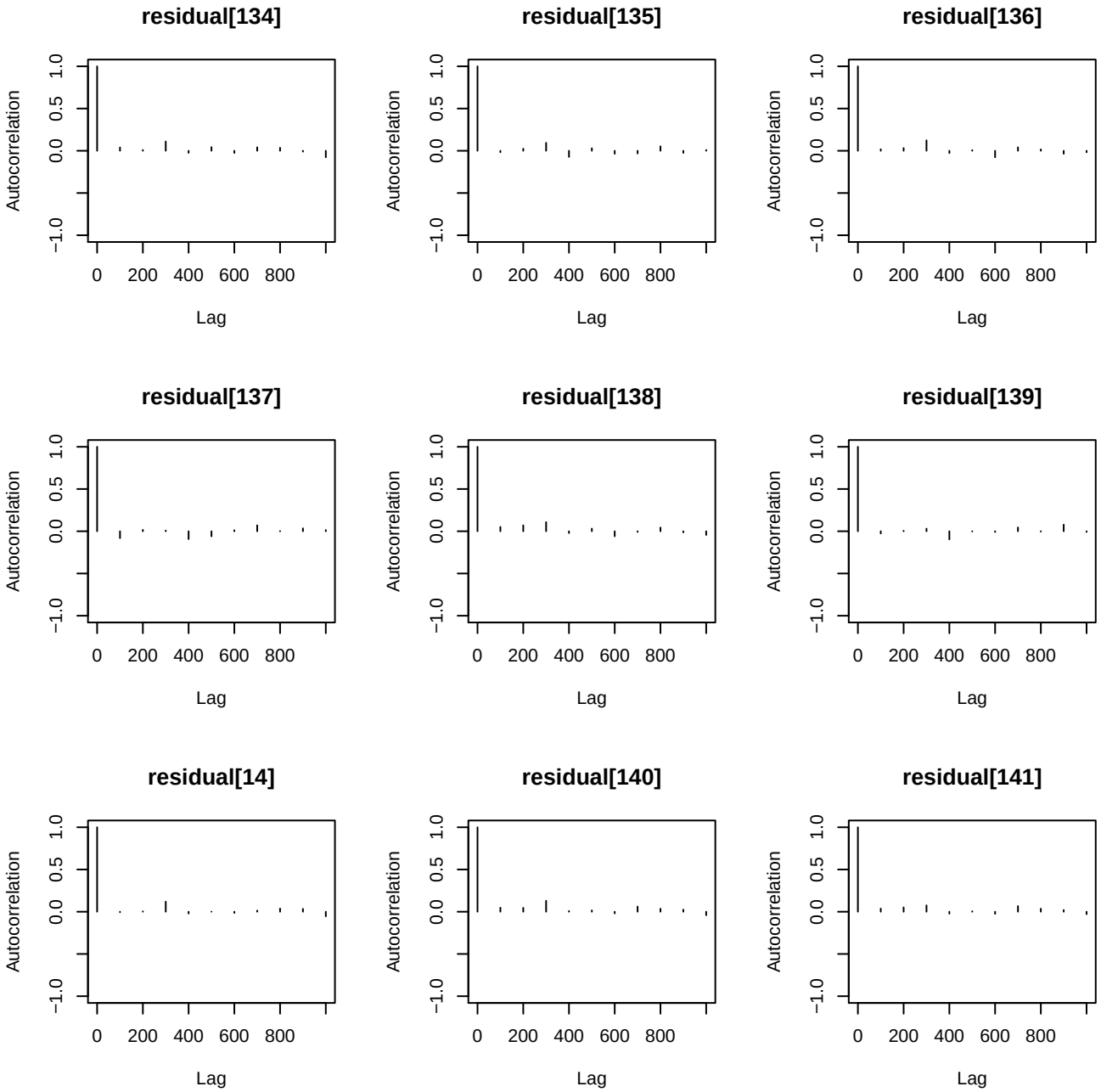

b[8]
b[9]
bpvalue
deviance
fit
fit.new
residual[1]
residual[10]
residual[100]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

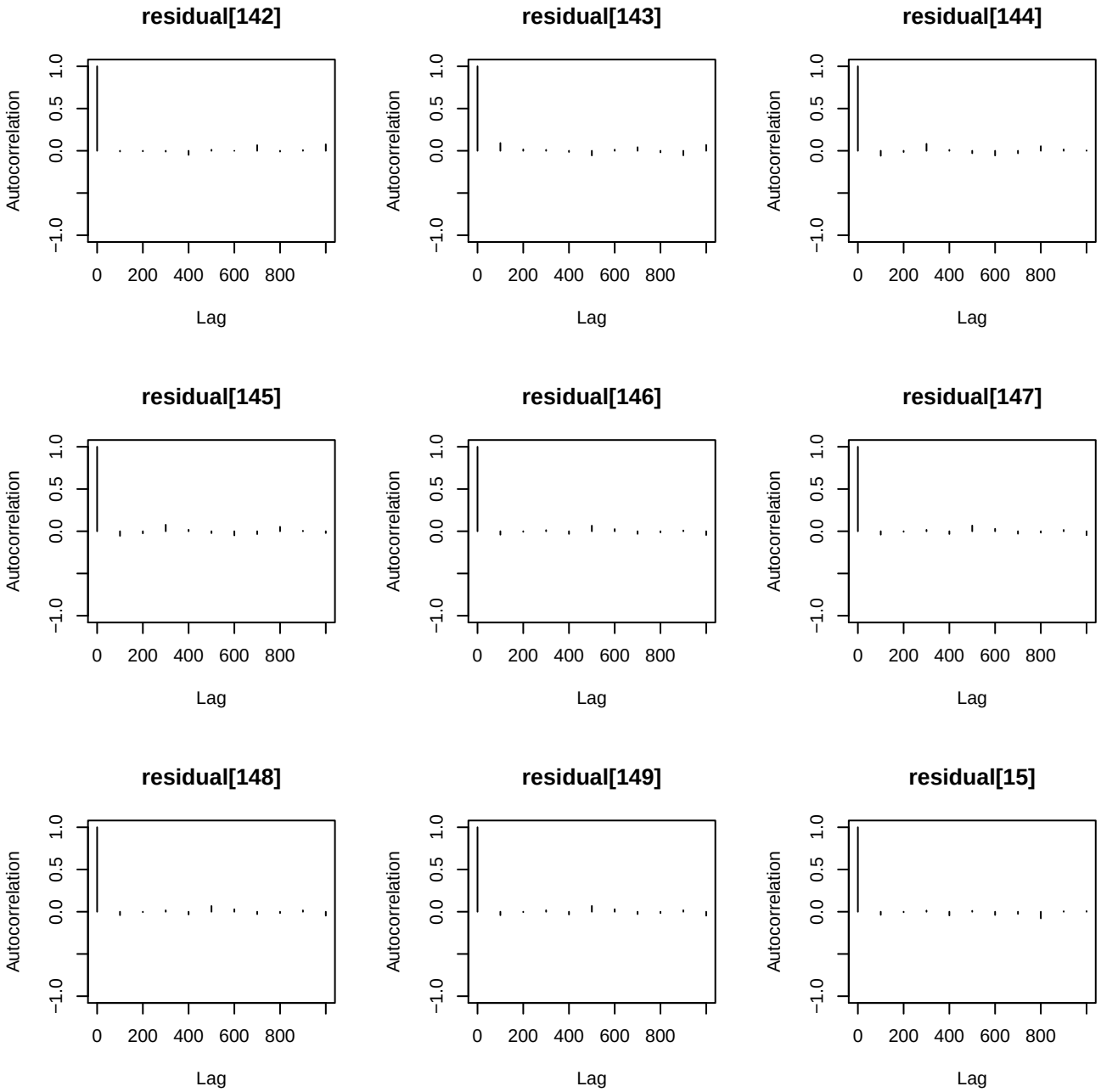

residual[101]
residual[102]
residual[103]
residual[104]
residual[105]
residual[106]
residual[107]
residual[108]
residual[109]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

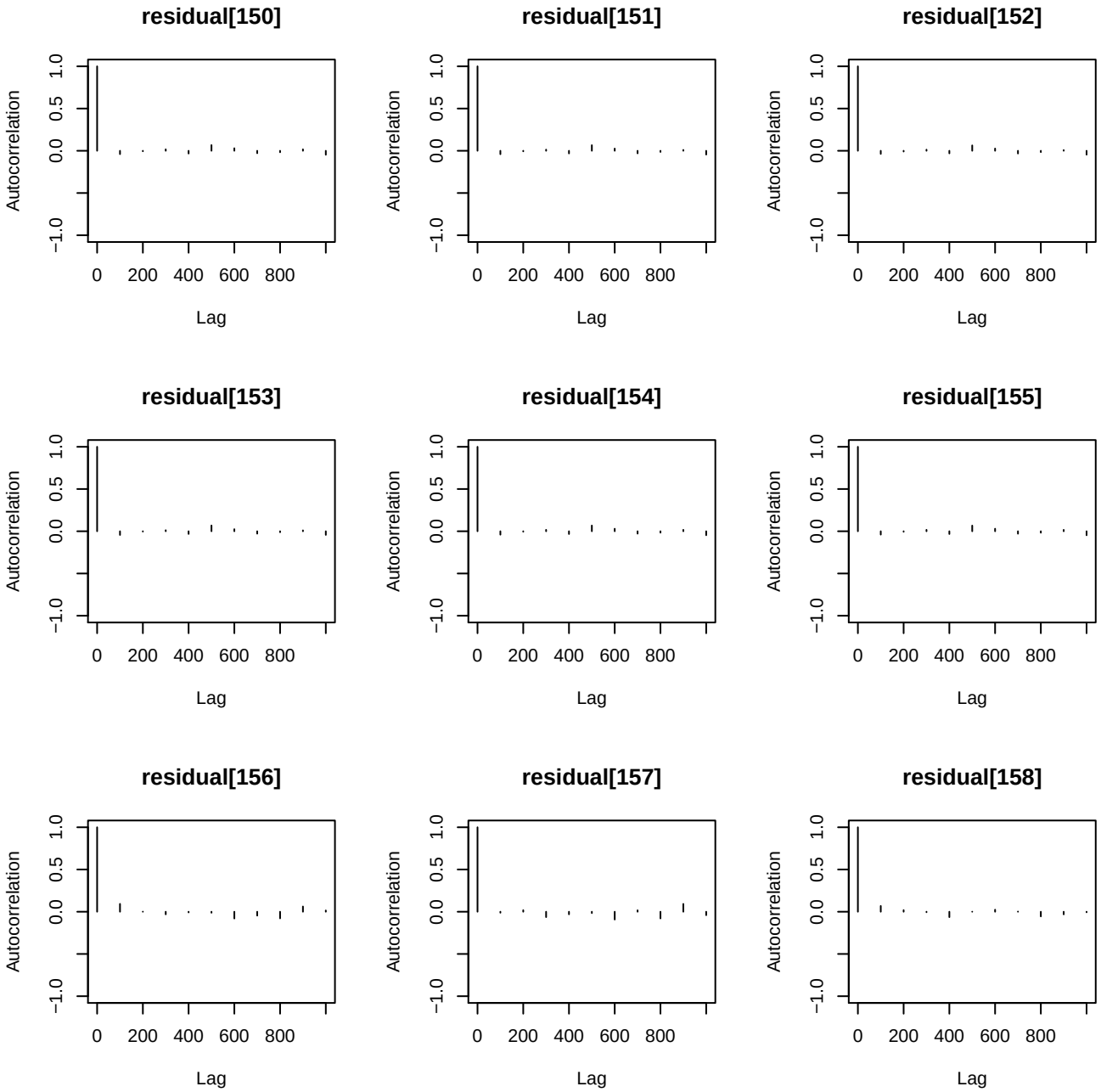

residual[11]
residual[110]
residual[111]
residual[112]
residual[113]
residual[114]
residual[115]
residual[116]
residual[117]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

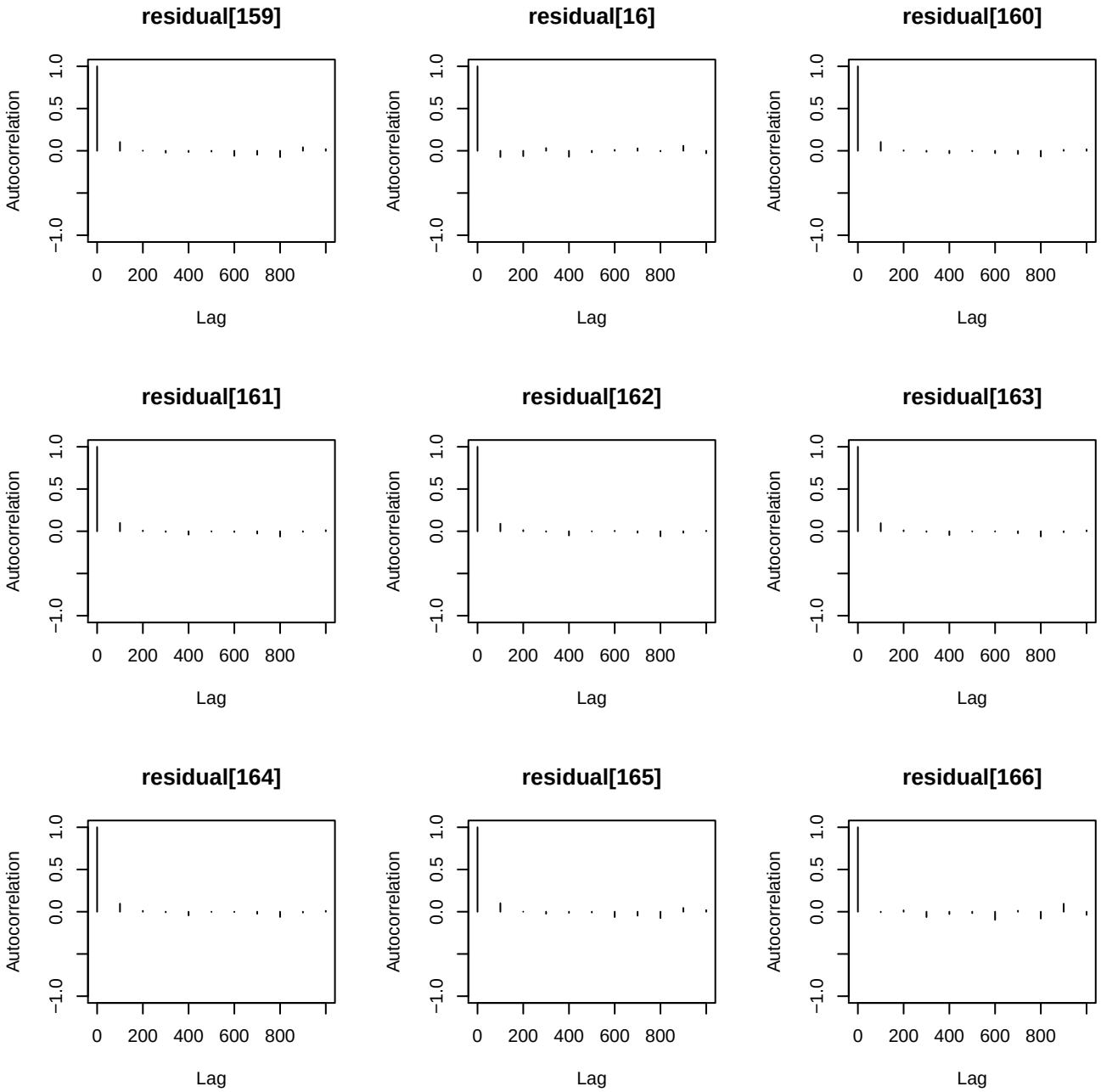

residual[118]
residual[119]
residual[12]
residual[120]
residual[121]
residual[122]
residual[123]
residual[124]
residual[125]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

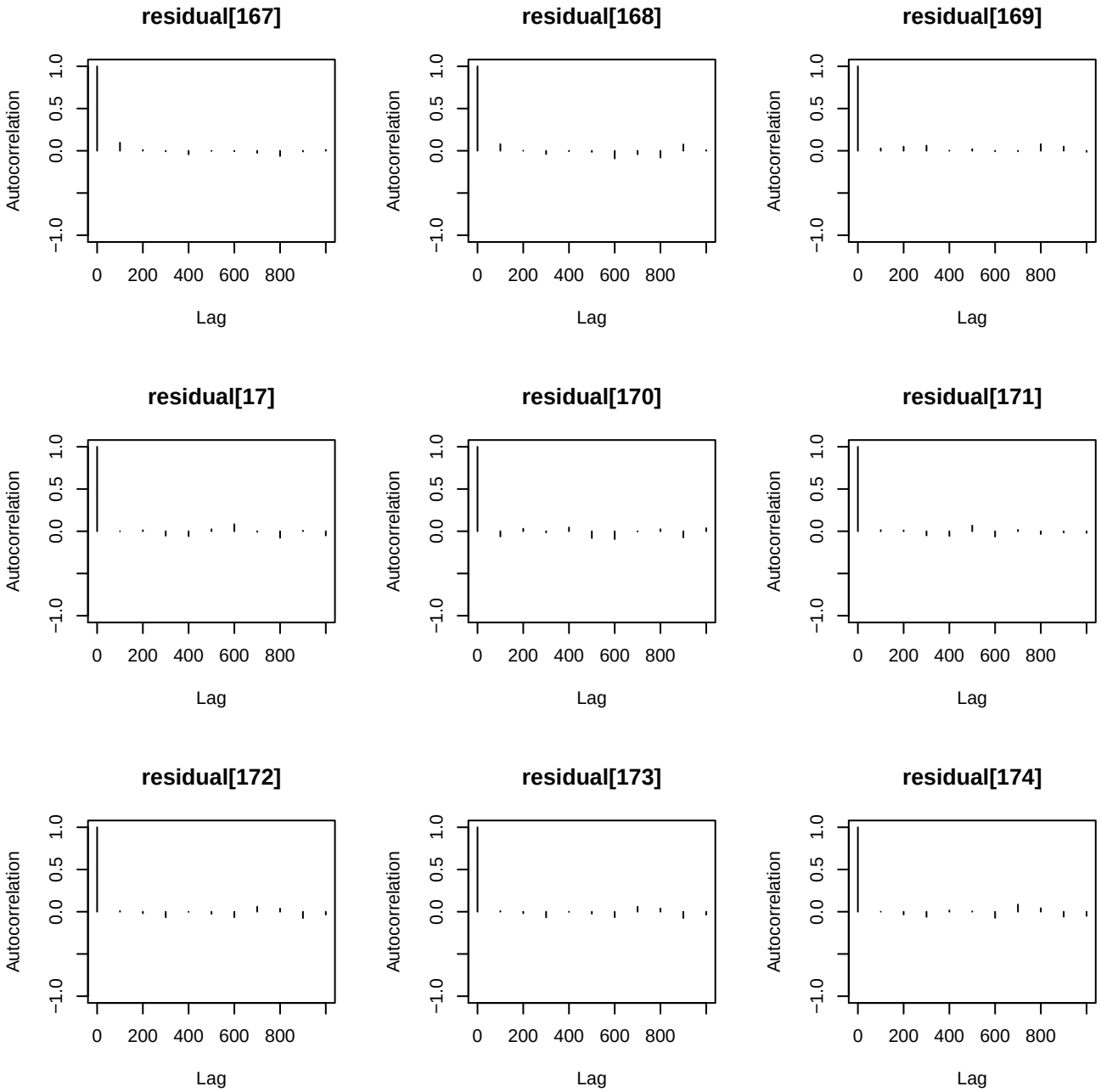

residual[126]
residual[127]
residual[128]
residual[129]
residual[13]
residual[130]
residual[131]
residual[132]
residual[133]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

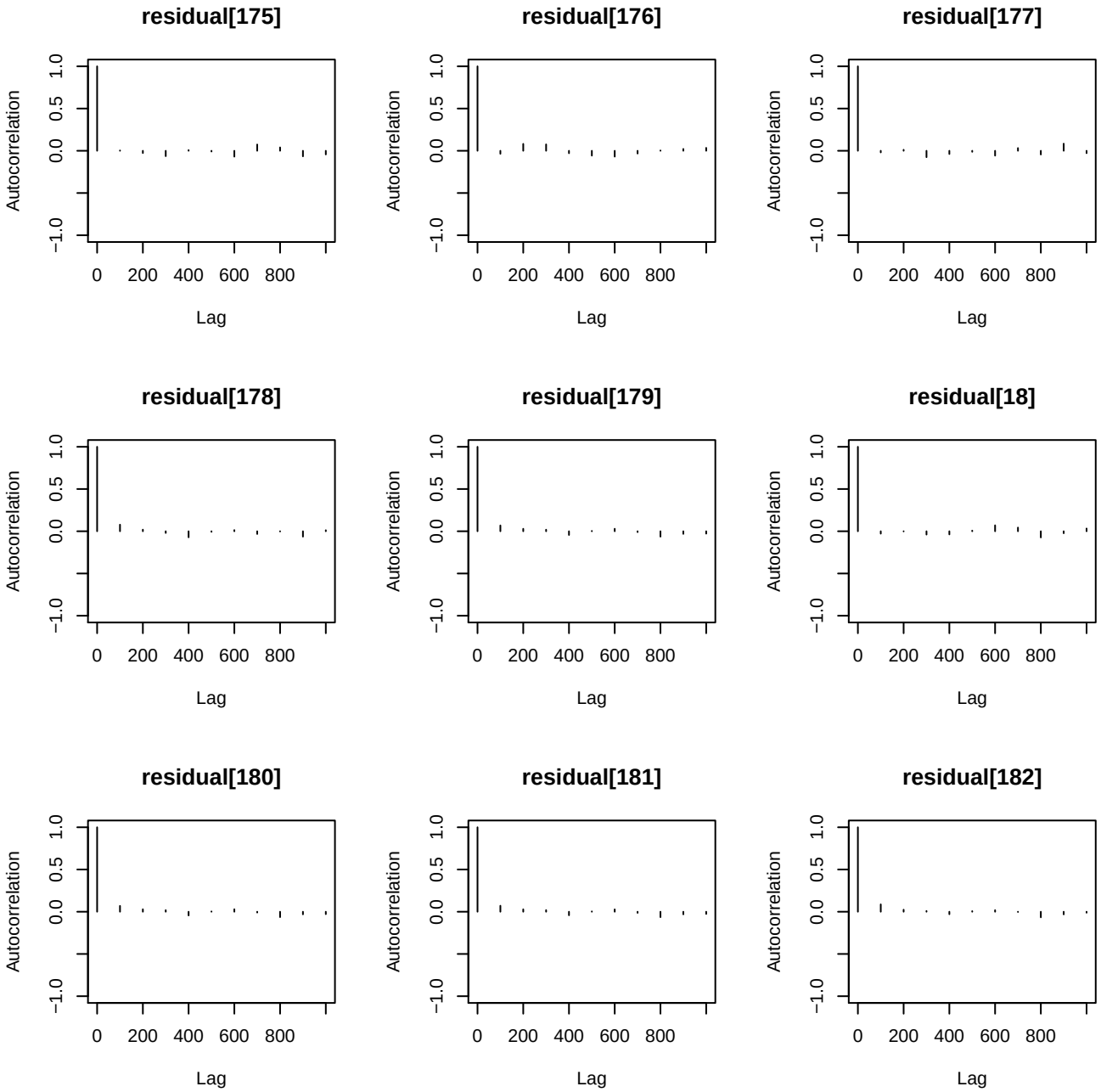

residual[134]
residual[135]
residual[136]
residual[137]
residual[138]
residual[139]
residual[14]
residual[140]
residual[141]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

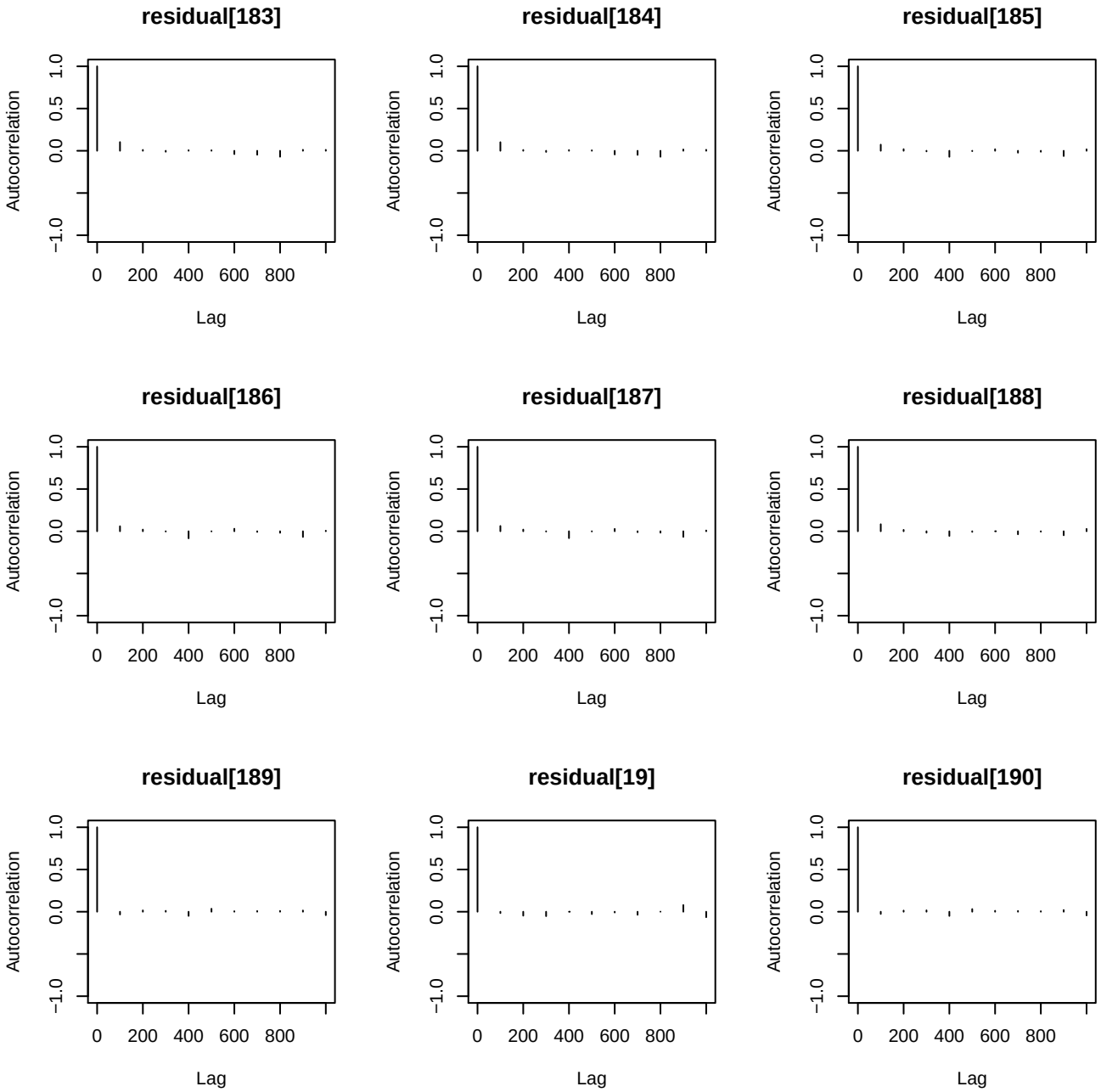

residual[142]
residual[143]
residual[144]
residual[145]
residual[146]
residual[147]
residual[148]
residual[149]
residual[15]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

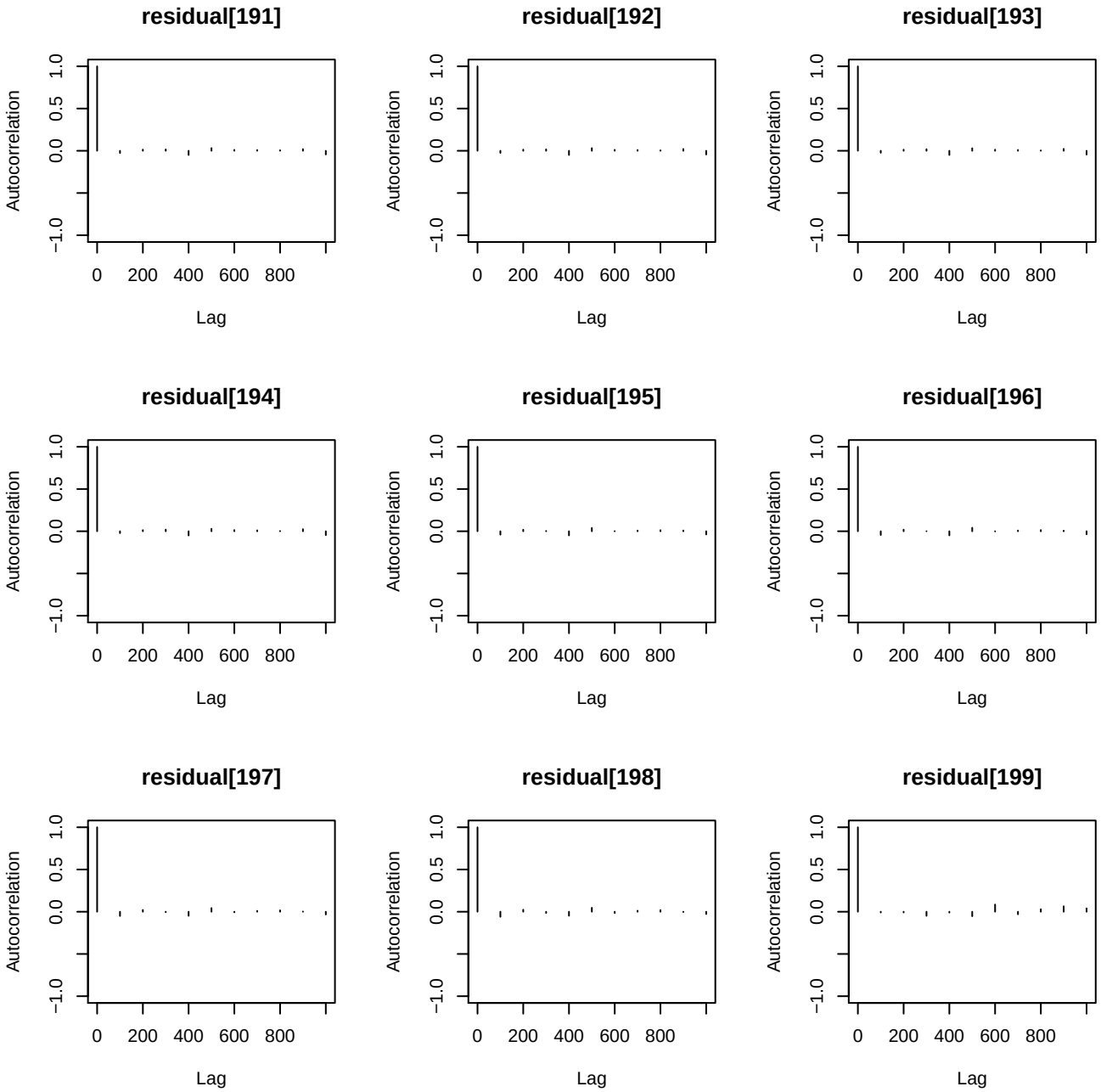

residual[150]
residual[151]
residual[152]
residual[153]
residual[154]
residual[155]
residual[156]
residual[157]
residual[158]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

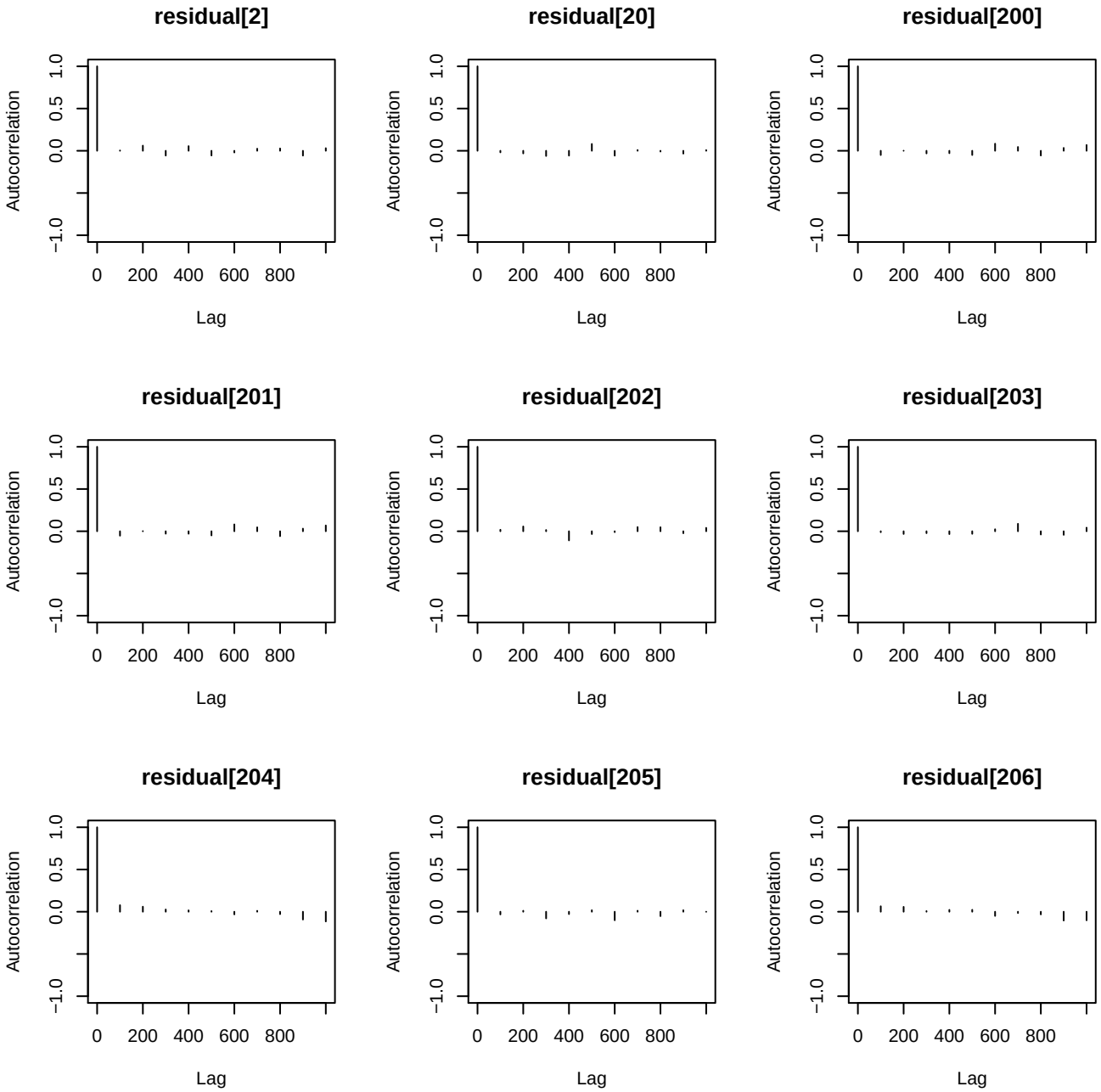

residual[159]
residual[16]
residual[160]
residual[161]
residual[162]
residual[163]
residual[164]
residual[165]
residual[166]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

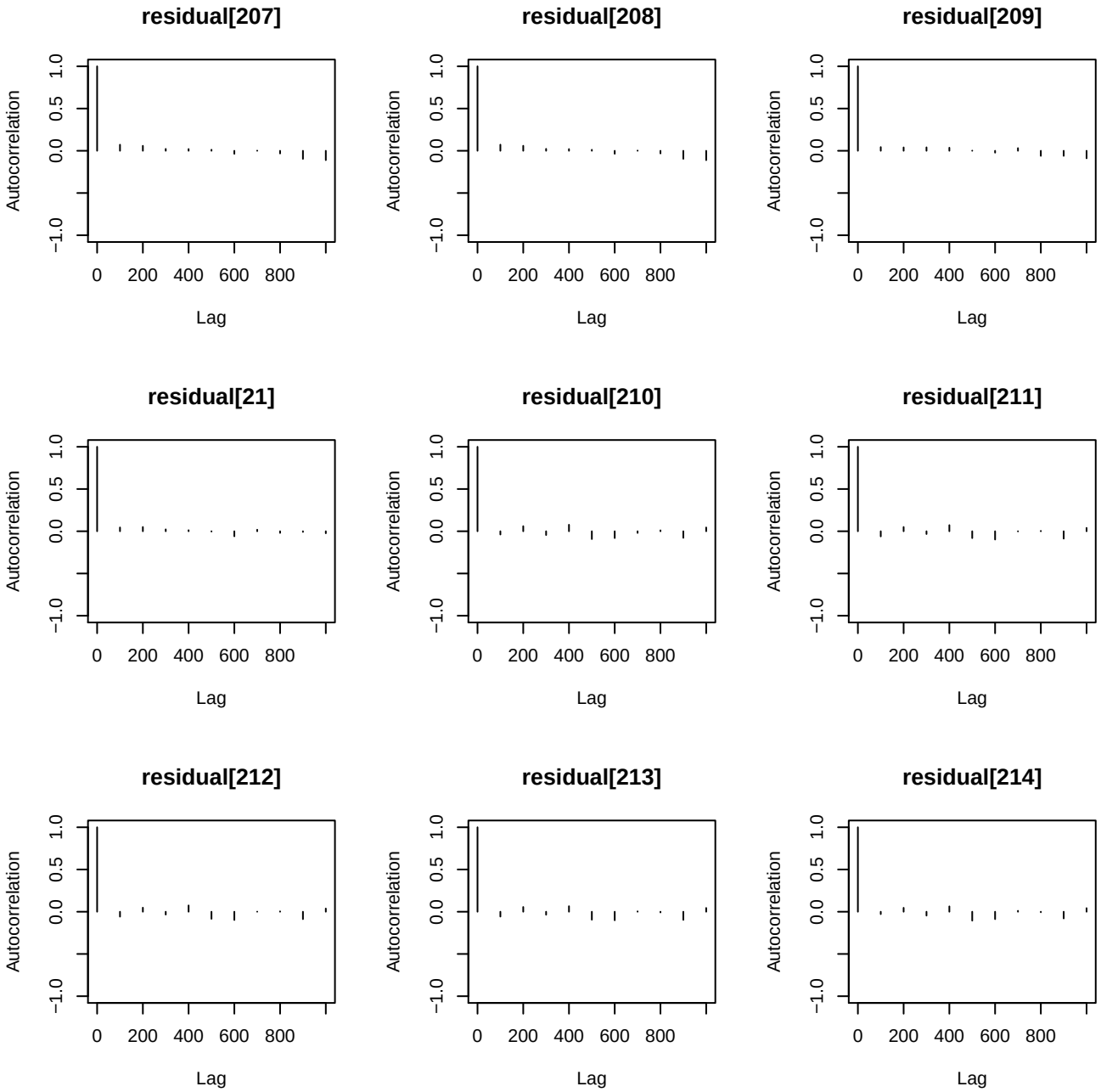

residual[167]
residual[168]
residual[169]
residual[17]
residual[170]
residual[171]
residual[172]
residual[173]
residual[174]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

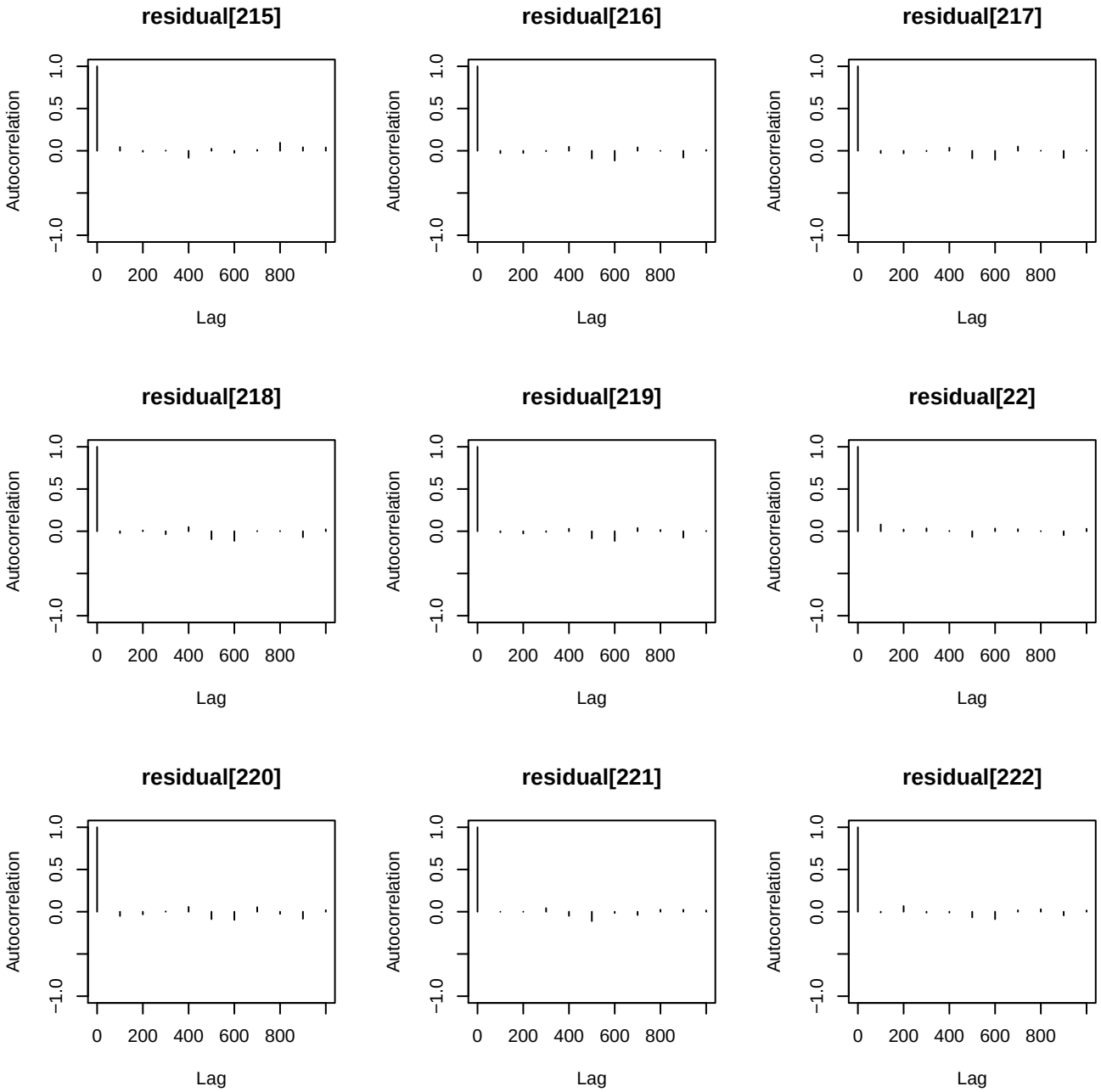

residual[175]
residual[176]
residual[177]
residual[178]
residual[179]
residual[18]
residual[180]
residual[181]
residual[182]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

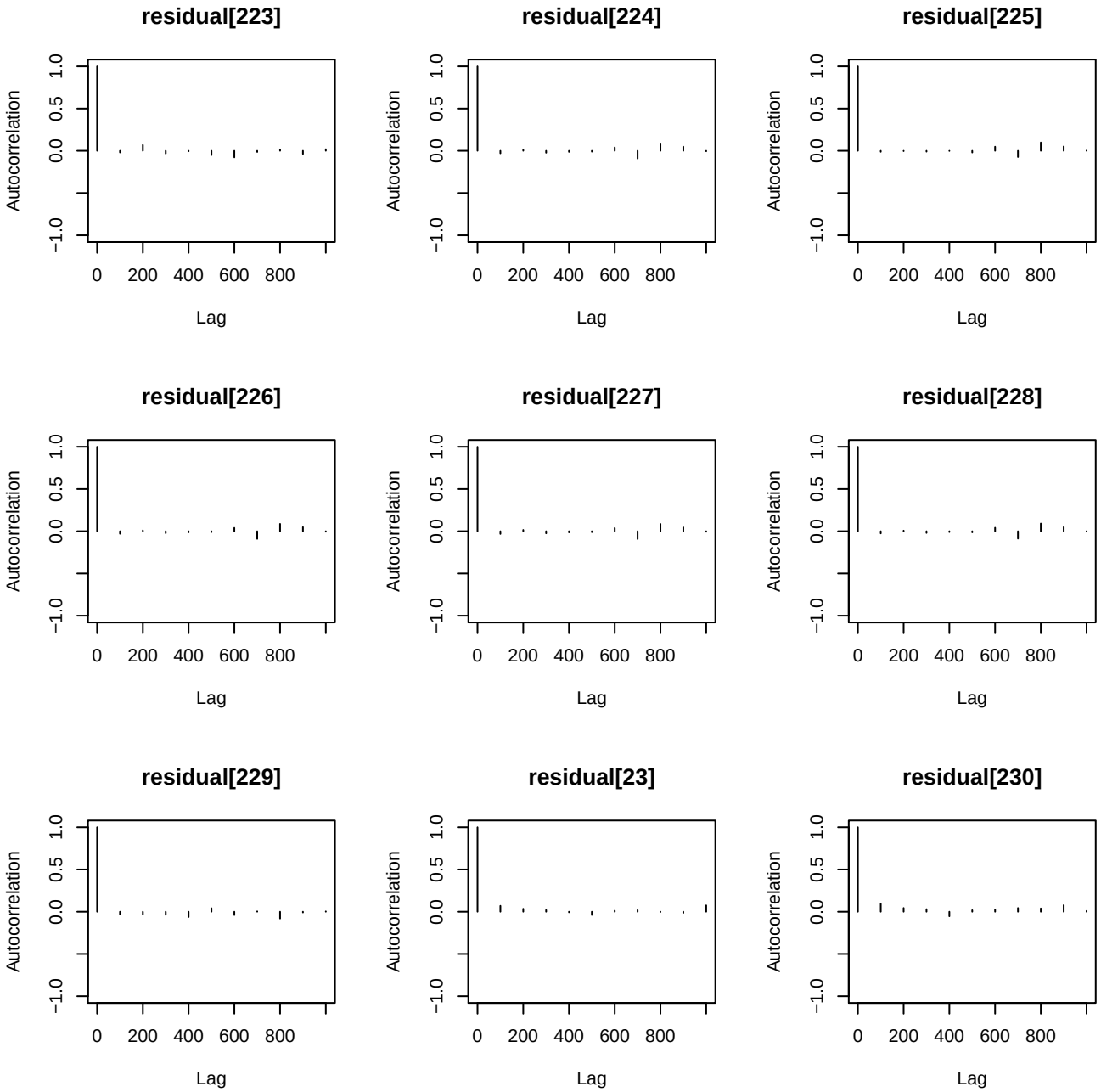

residual[183]
residual[184]
residual[185]
residual[186]
residual[187]
residual[188]
residual[189]
residual[19]
residual[190]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

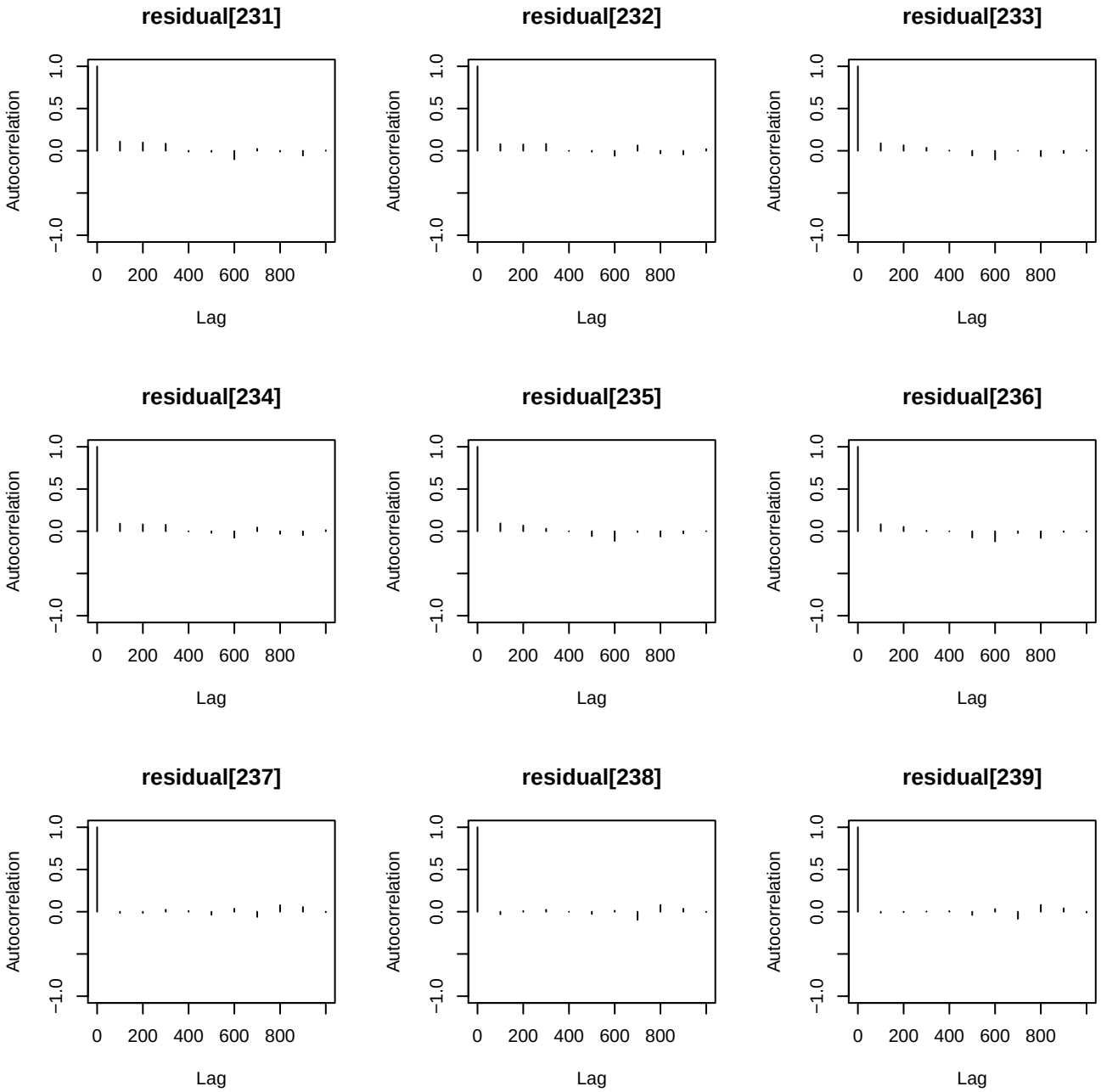

residual[191]
residual[192]
residual[193]
residual[194]
residual[195]
residual[196]
residual[197]
residual[198]
residual[199]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

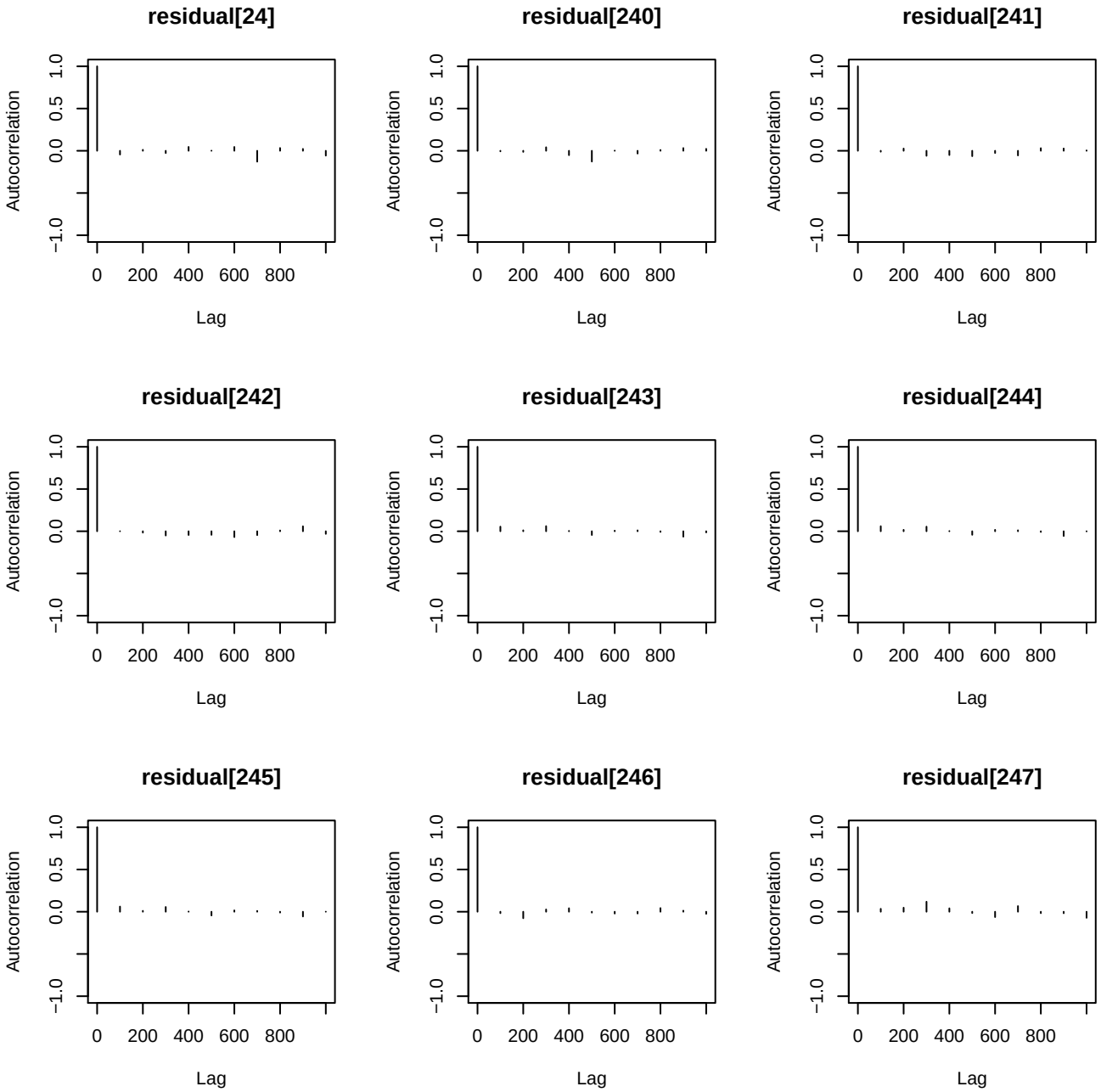

residual[2]
residual[20]
residual[200]
residual[201]
residual[202]
residual[203]
residual[204]
residual[205]
residual[206]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

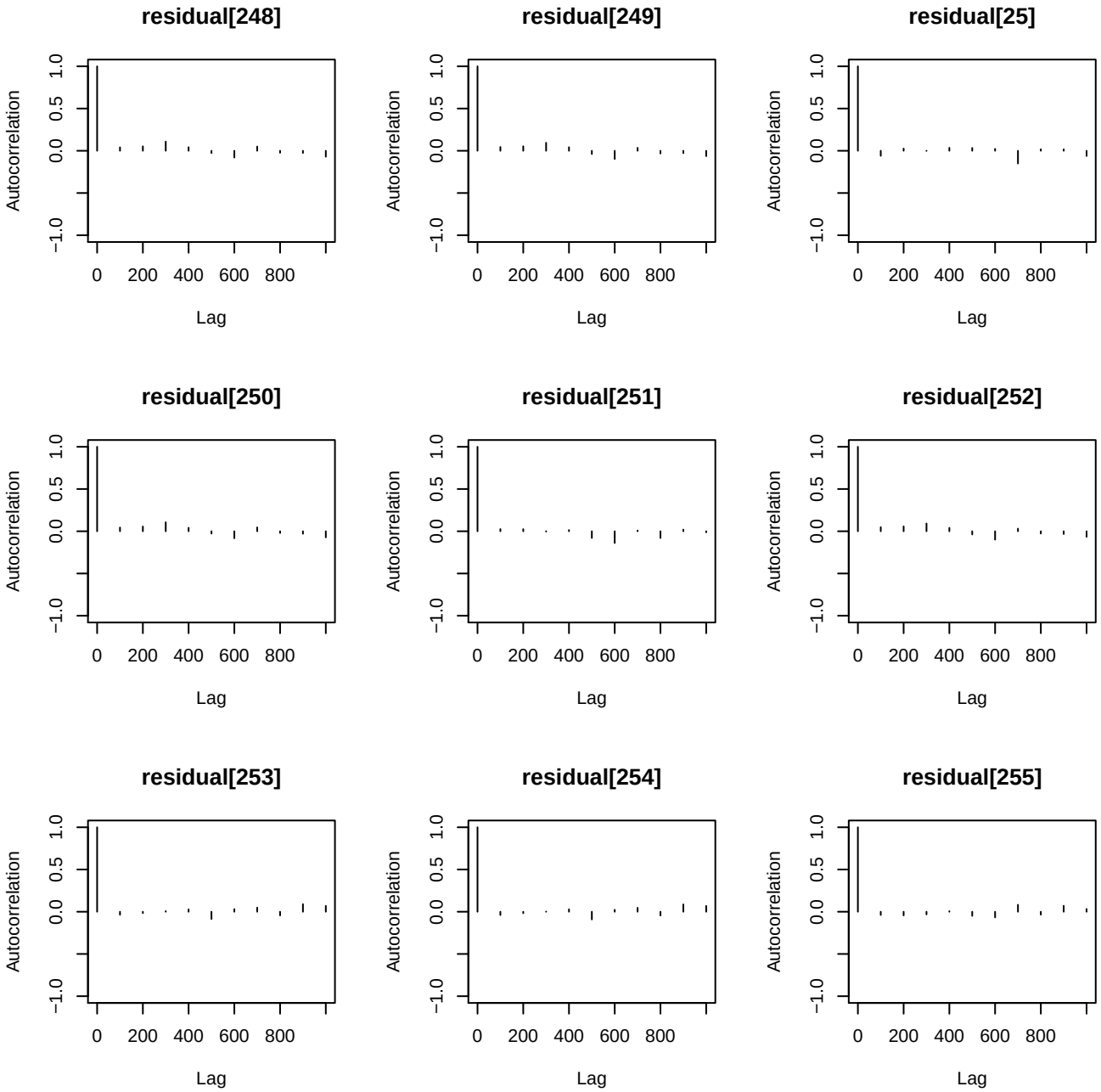

residual[207]
residual[208]
residual[209]
residual[21]
residual[210]
residual[211]
residual[212]
residual[213]
residual[214]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

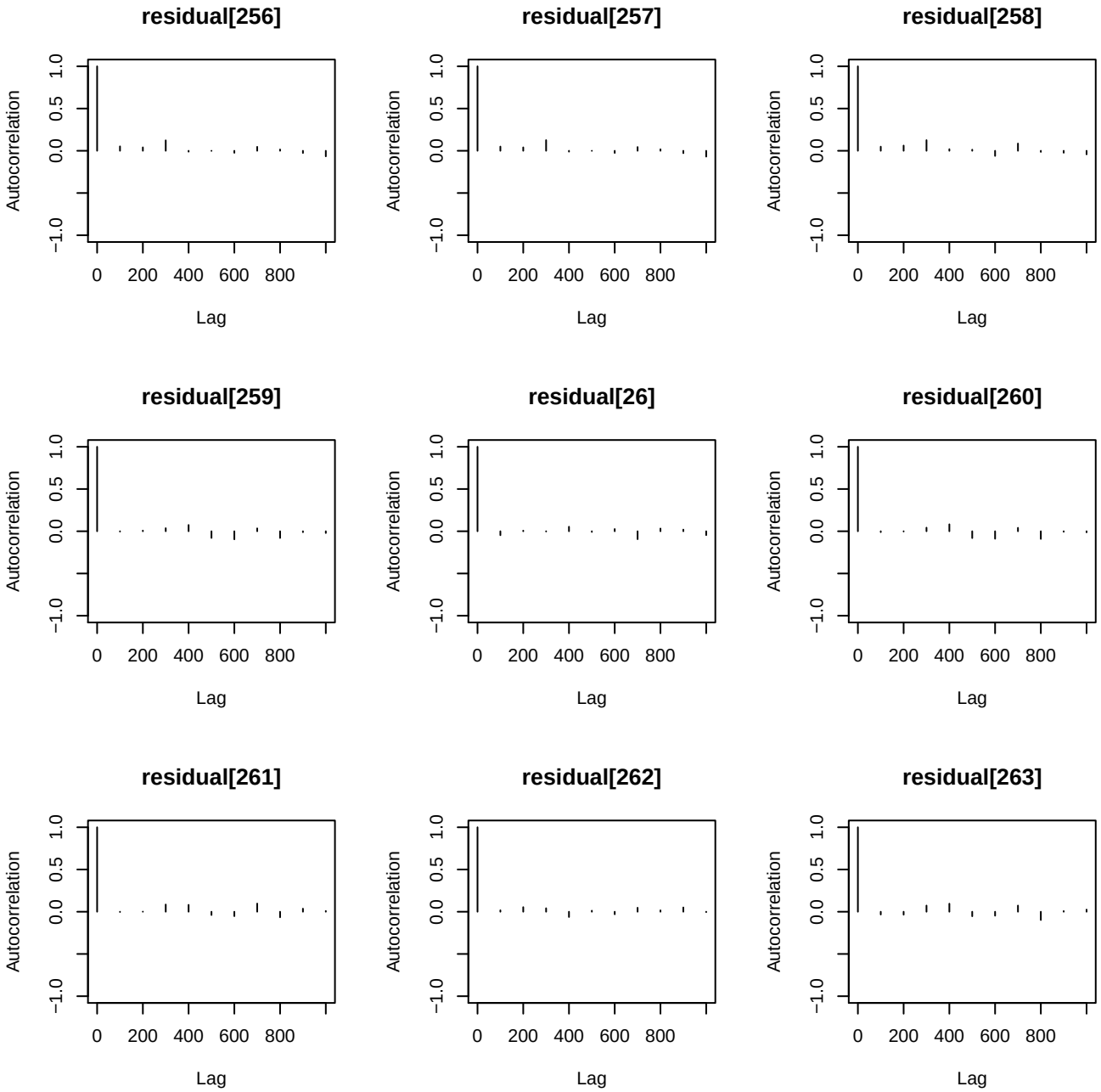

residual[215]
residual[216]
residual[217]
residual[218]
residual[219]
residual[22]
residual[220]
residual[221]
residual[222]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

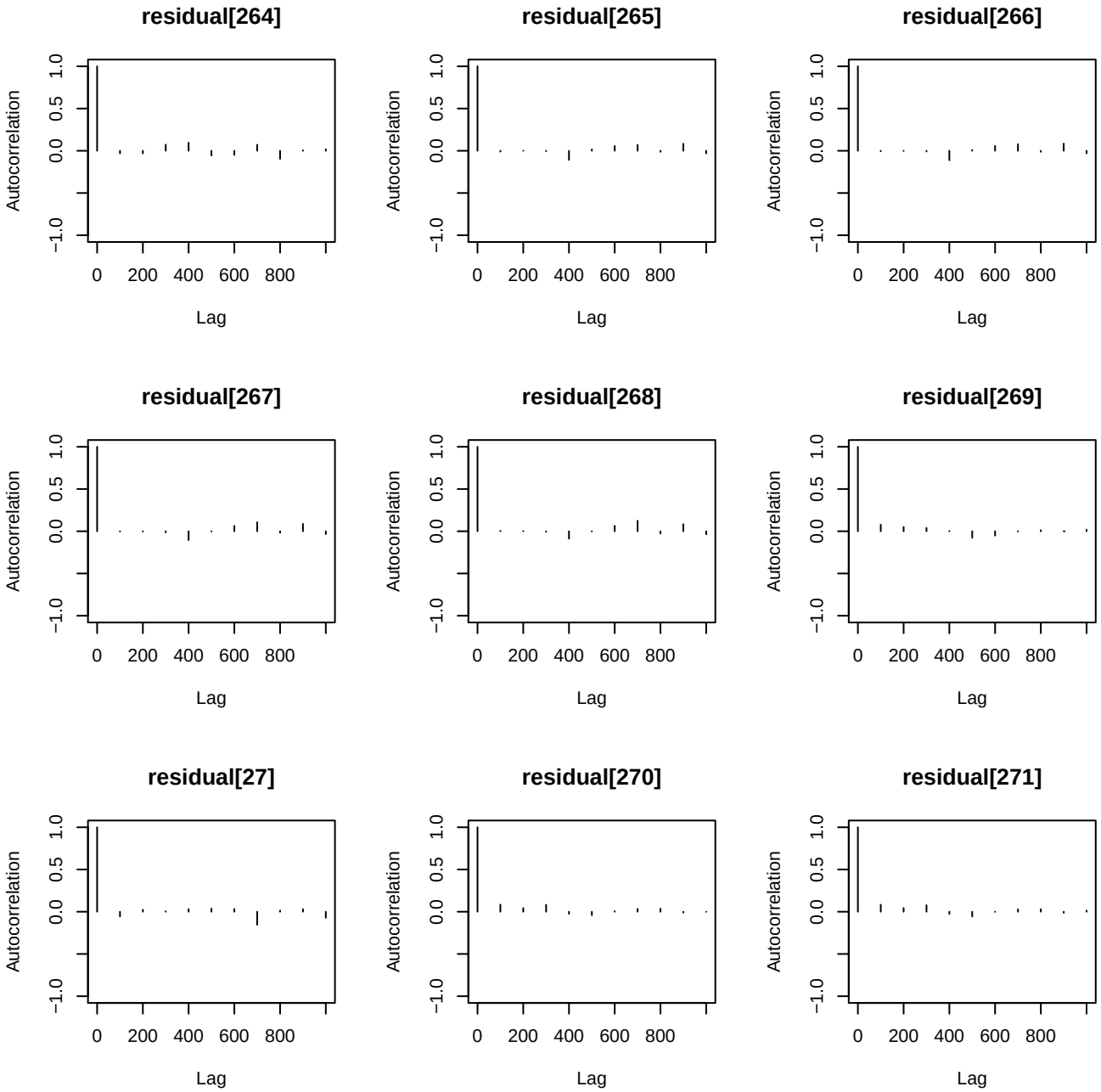

residual[223]
residual[224]
residual[225]
residual[226]
residual[227]
residual[228]
residual[229]
residual[23]
residual[230]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

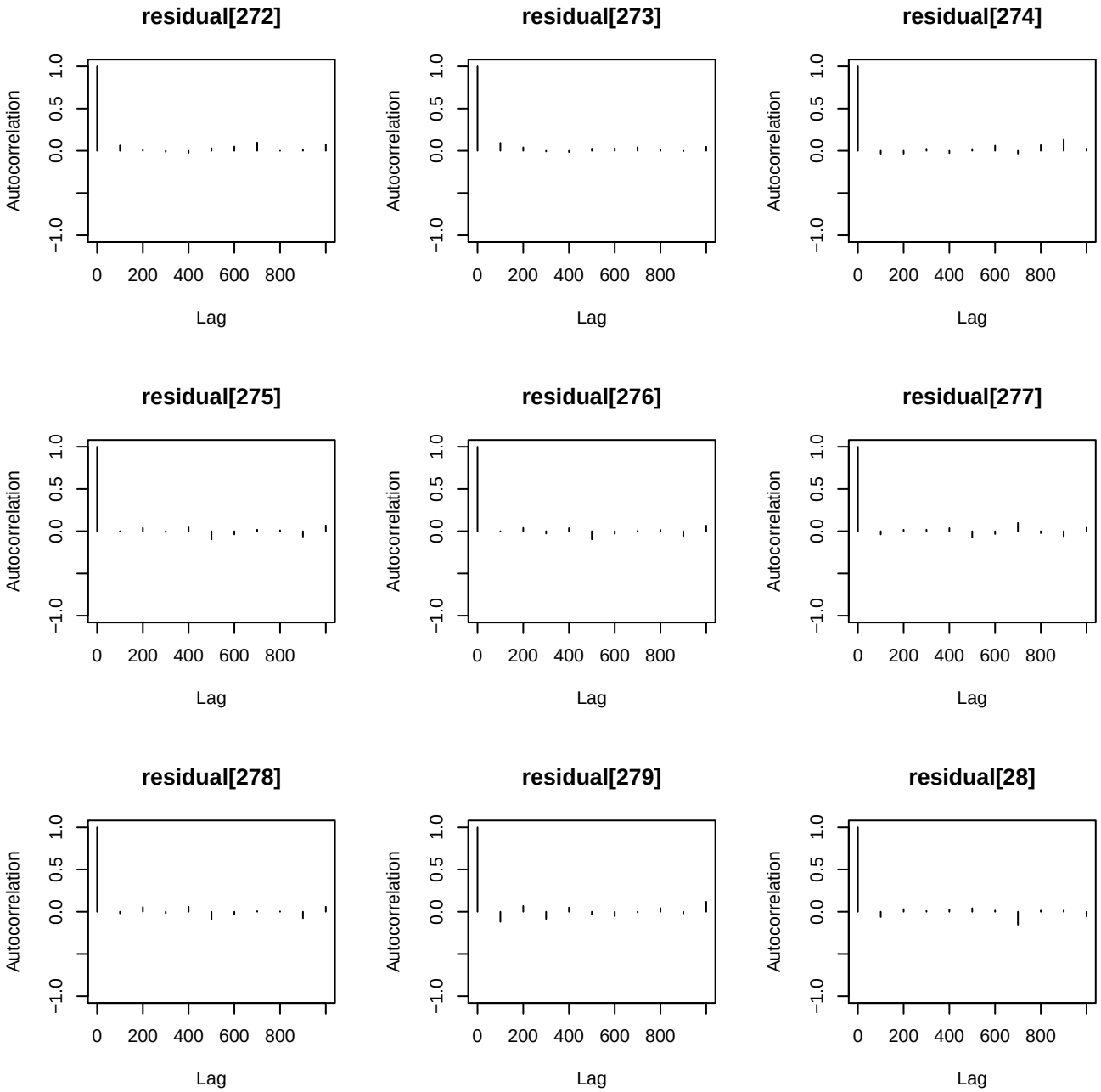

residual[231]
residual[232]
residual[233]
residual[234]
residual[235]
residual[236]
residual[237]
residual[238]
residual[239]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

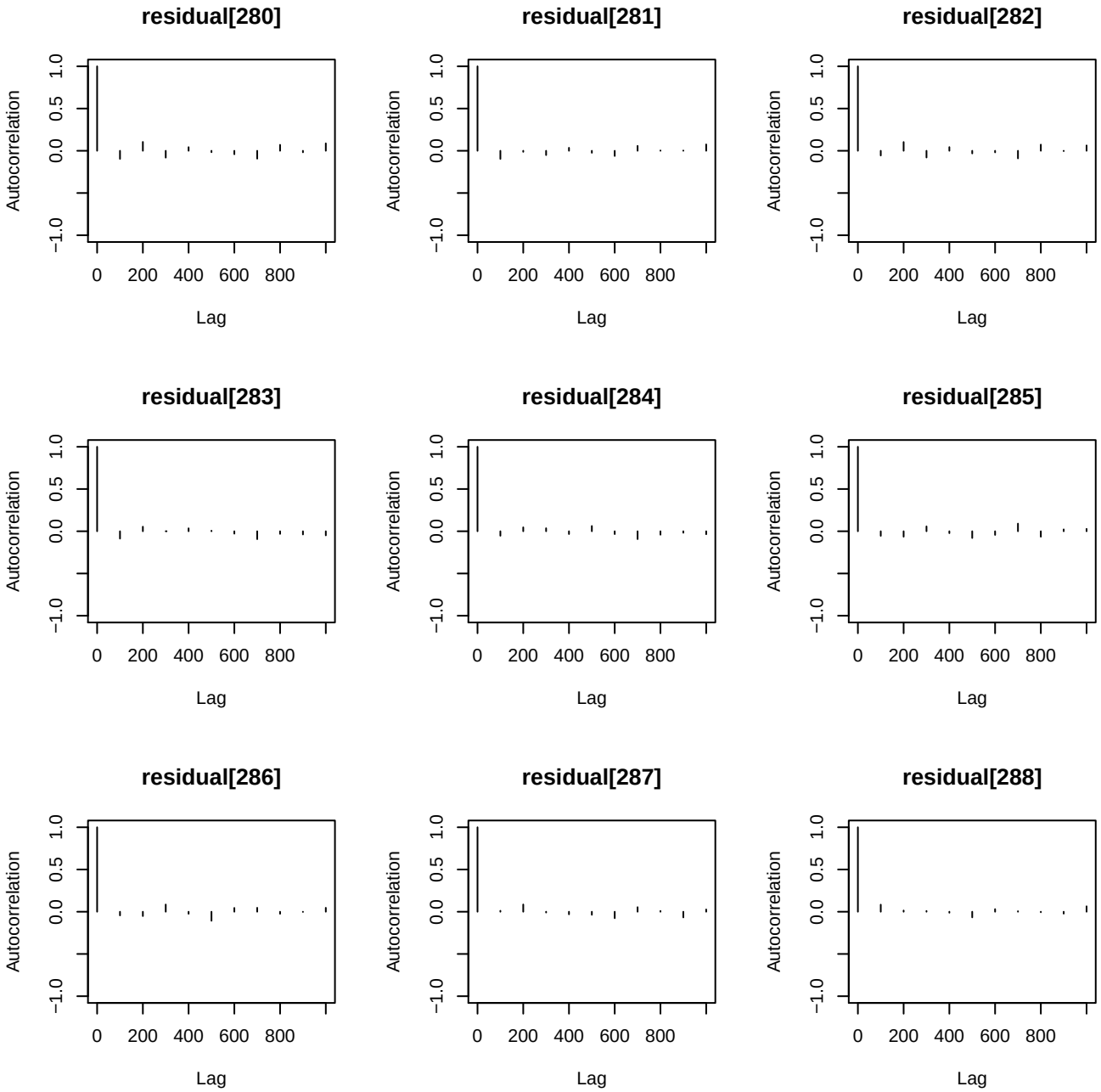

residual[24]
residual[240]
residual[241]
residual[242]
residual[243]
residual[244]
residual[245]
residual[246]
residual[247]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

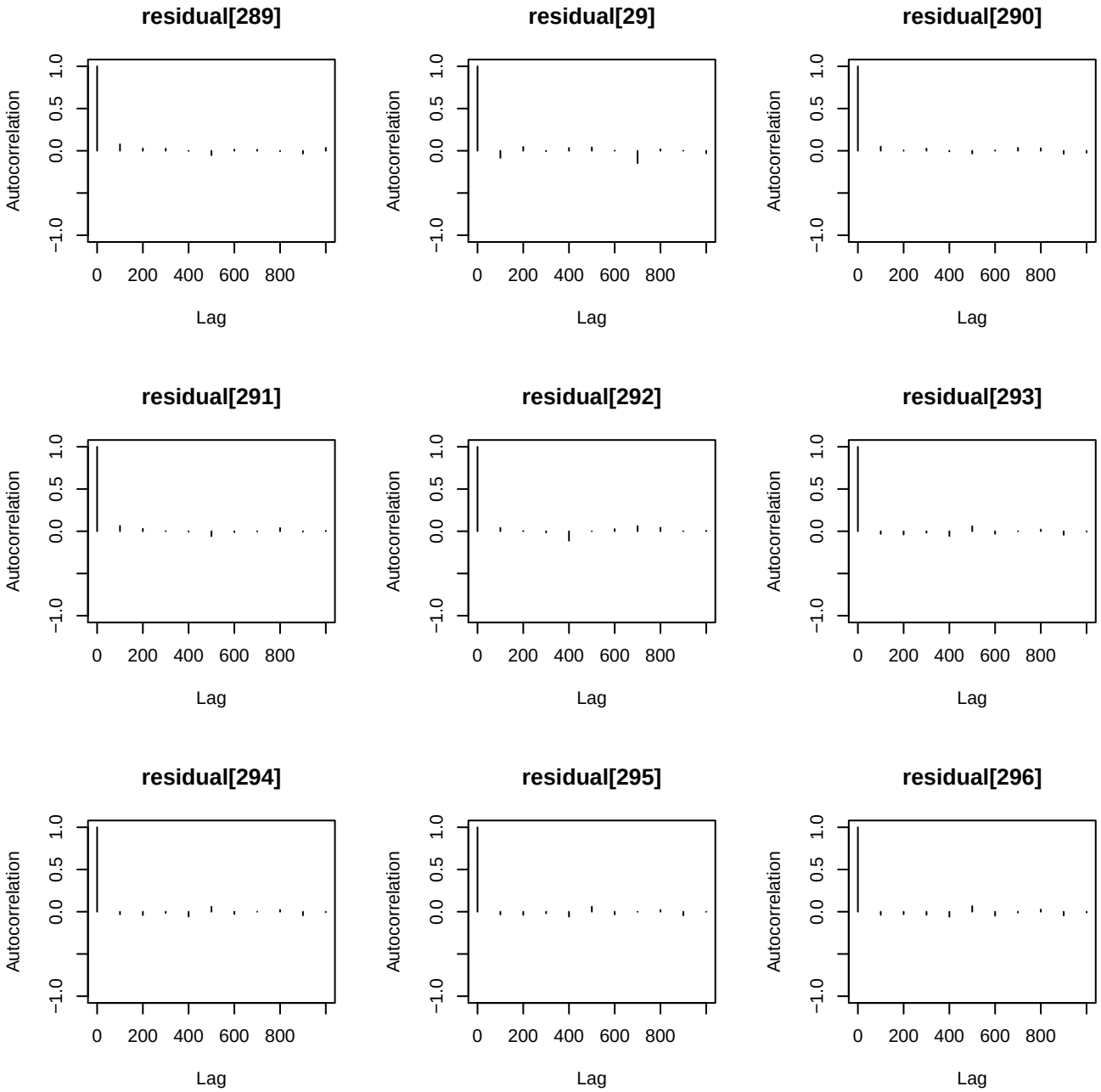

residual[248]
residual[249]
residual[25]
residual[250]
residual[251]
residual[252]
residual[253]
residual[254]
residual[255]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

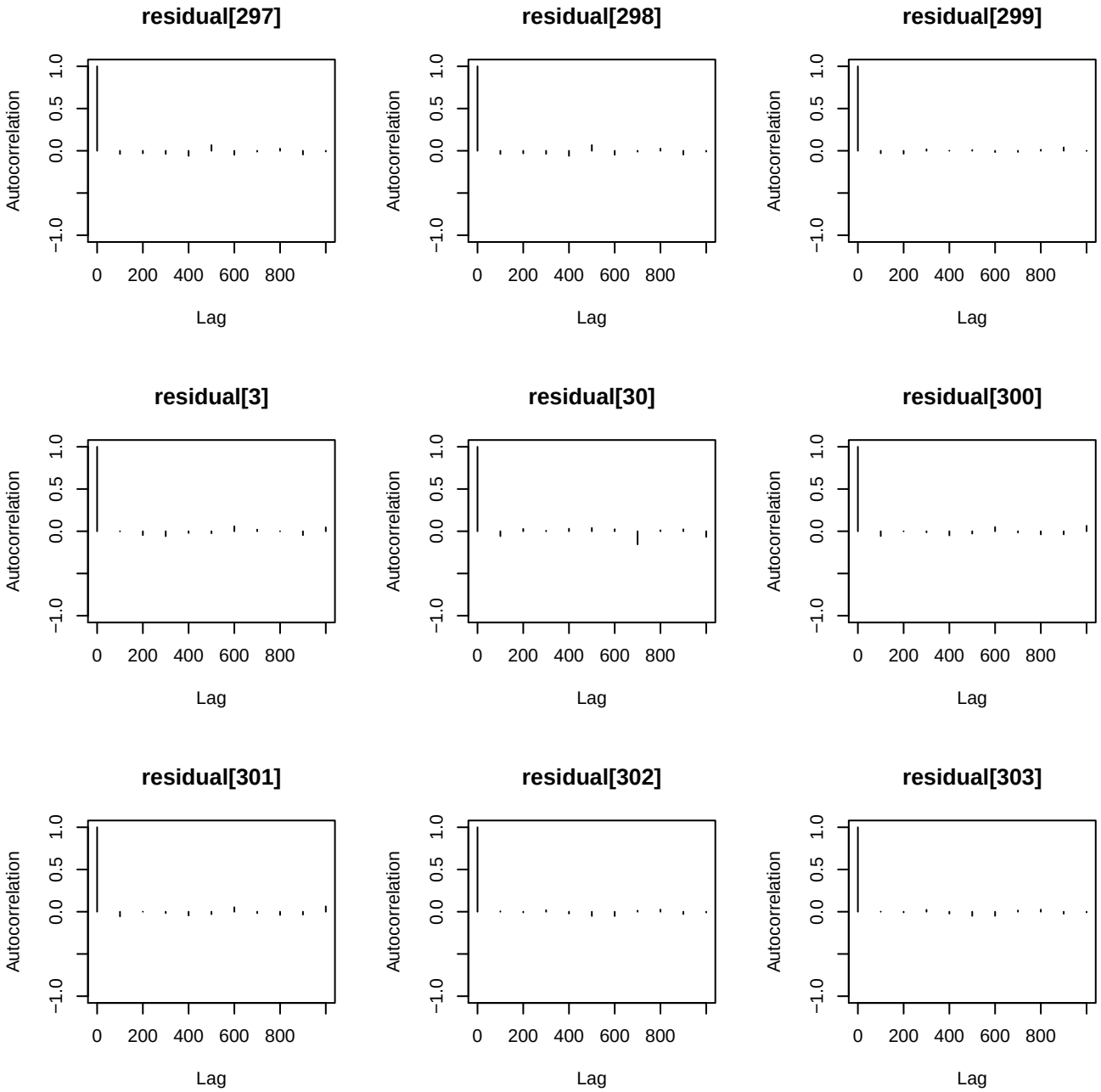

residual[256]
residual[257]
residual[258]
residual[259]
residual[26]
residual[260]
residual[261]
residual[262]
residual[263]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

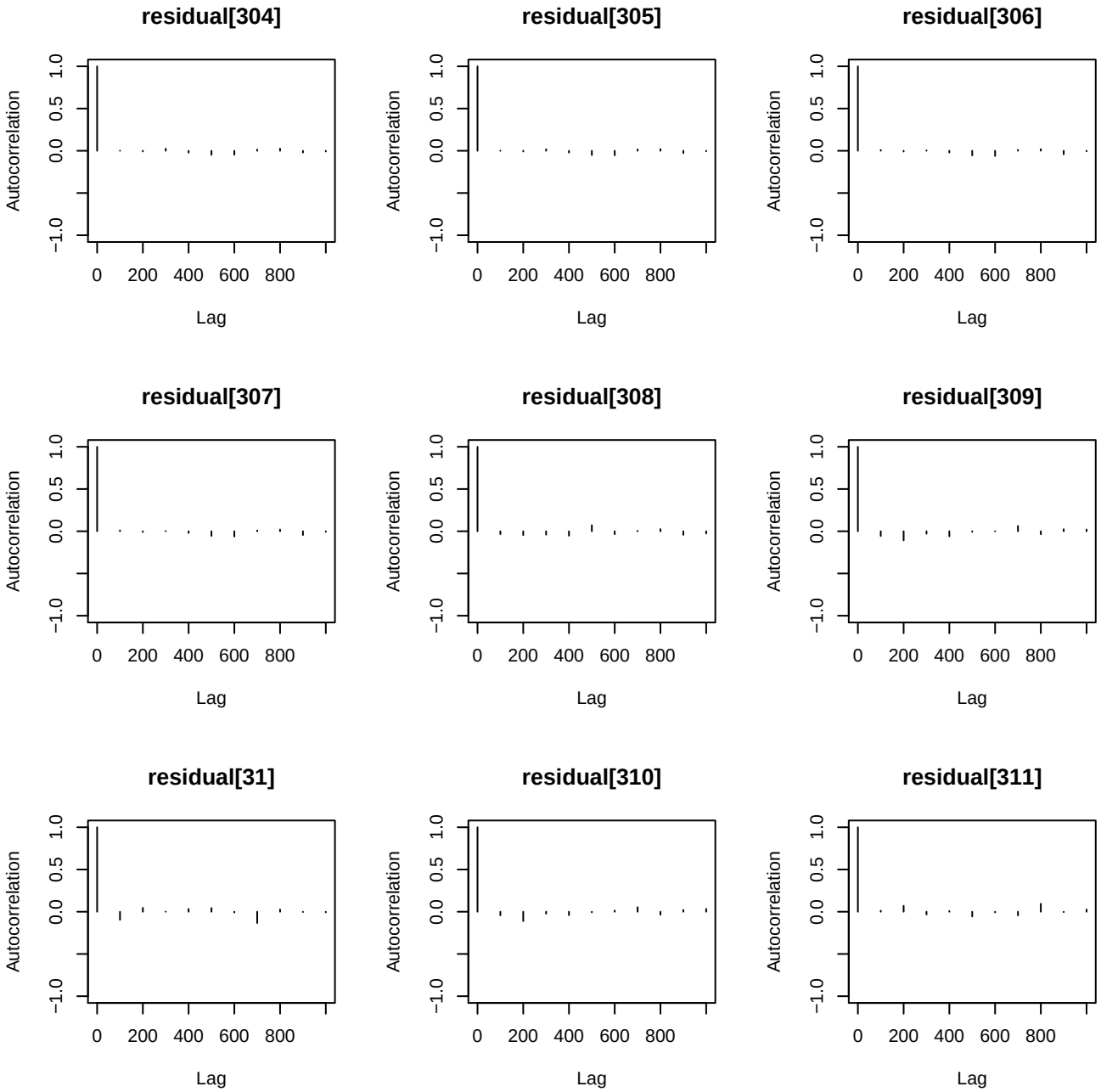

residual[264]
residual[265]
residual[266]
residual[267]
residual[268]
residual[269]
residual[27]
residual[270]
residual[271]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

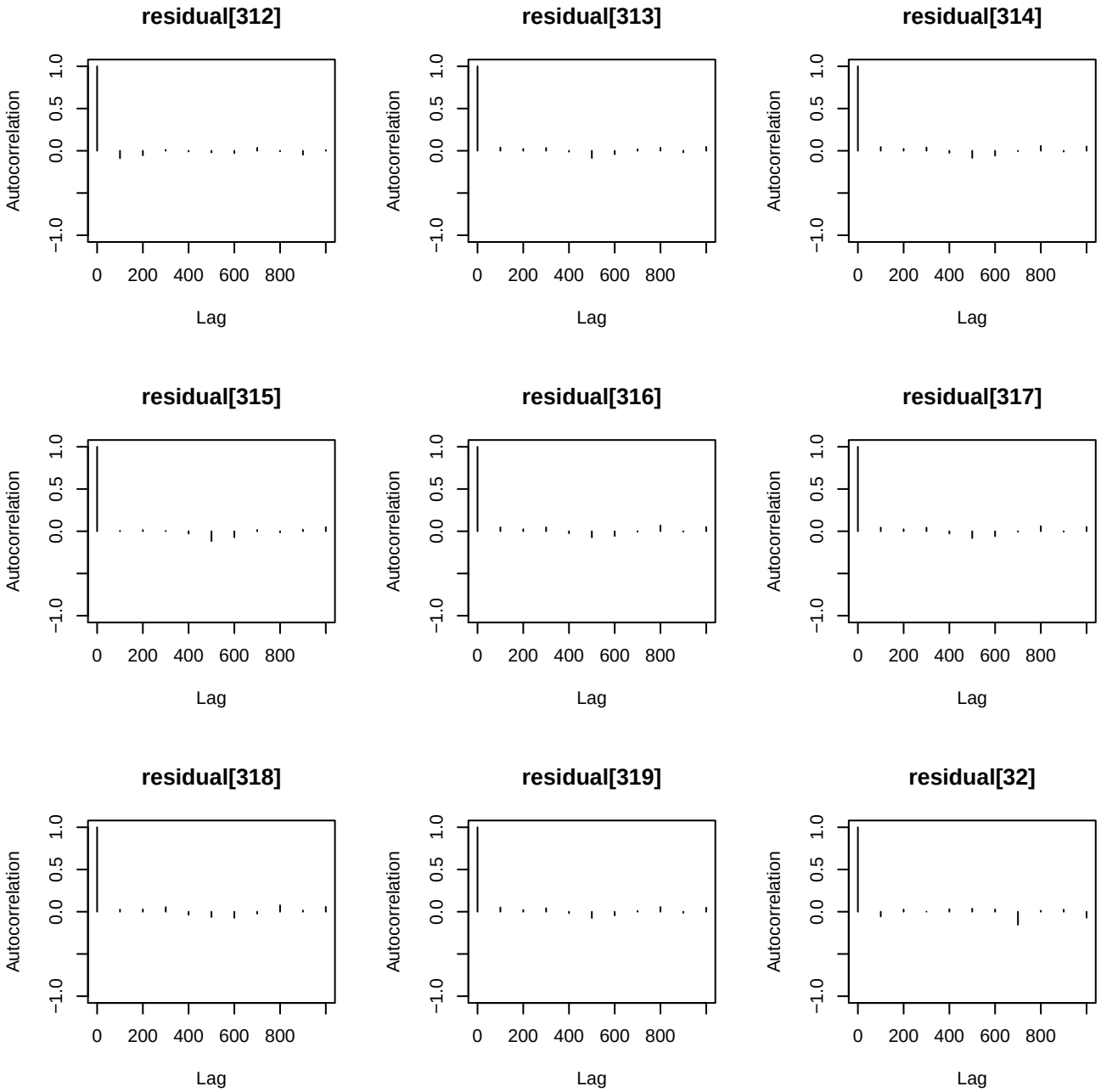

residual[272]
residual[273]
residual[274]
residual[275]
residual[276]
residual[277]
residual[278]
residual[279]
residual[28]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

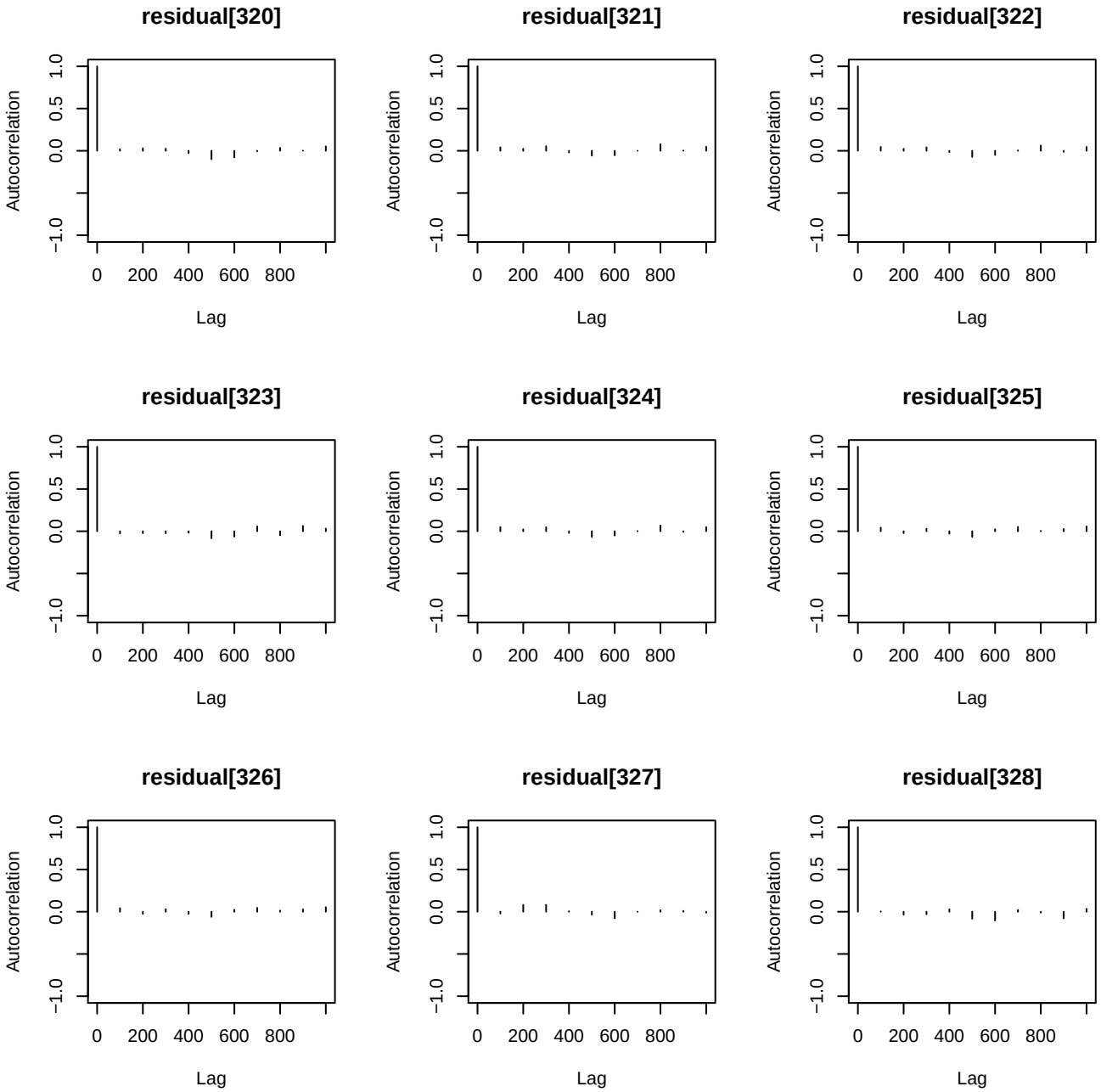

residual[280]
residual[281]
residual[282]
residual[283]
residual[284]
residual[285]
residual[286]
residual[287]
residual[288]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

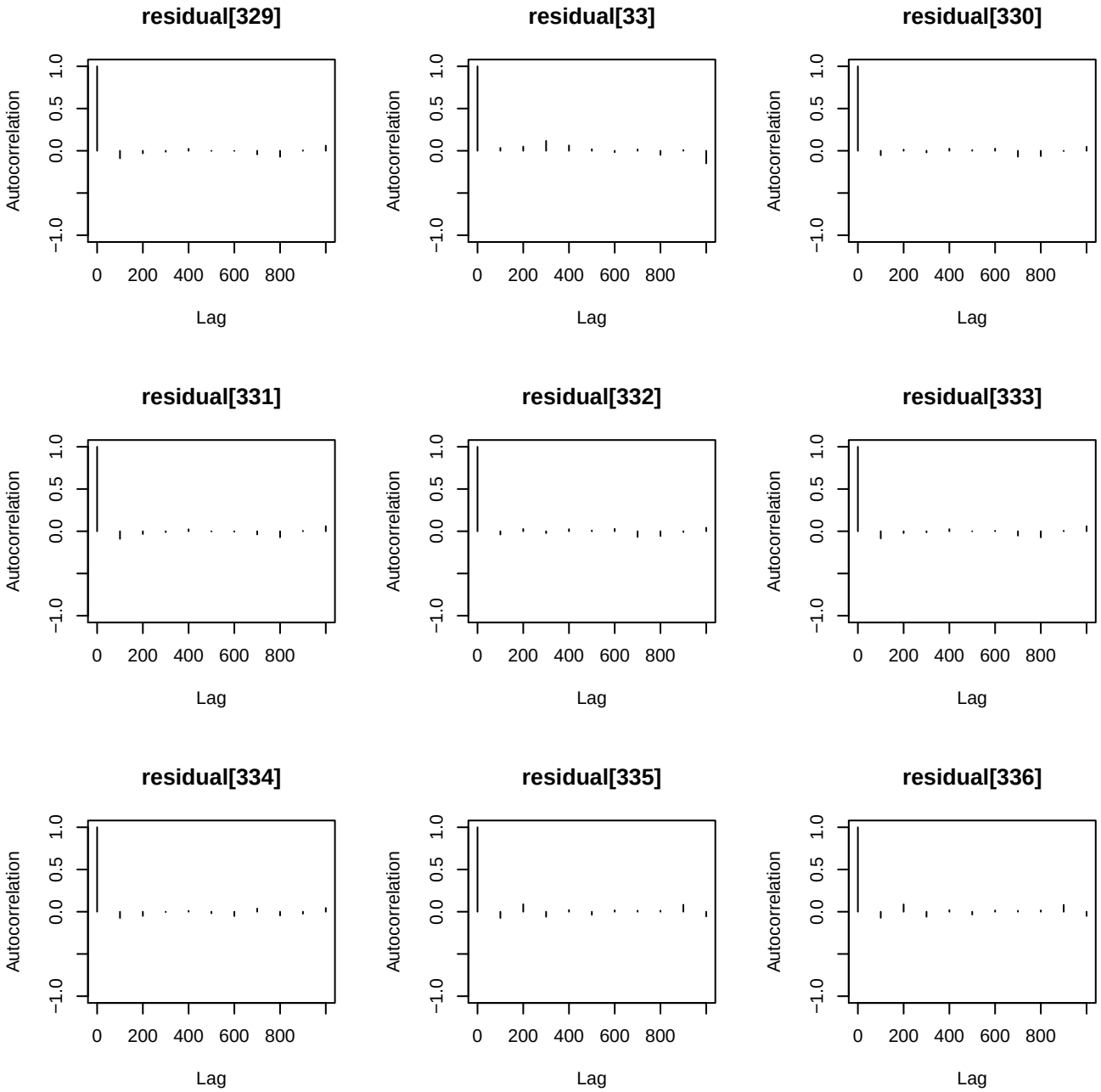

residual[289]
residual[29]
residual[290]
residual[291]
residual[292]
residual[293]
residual[294]
residual[295]
residual[296]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

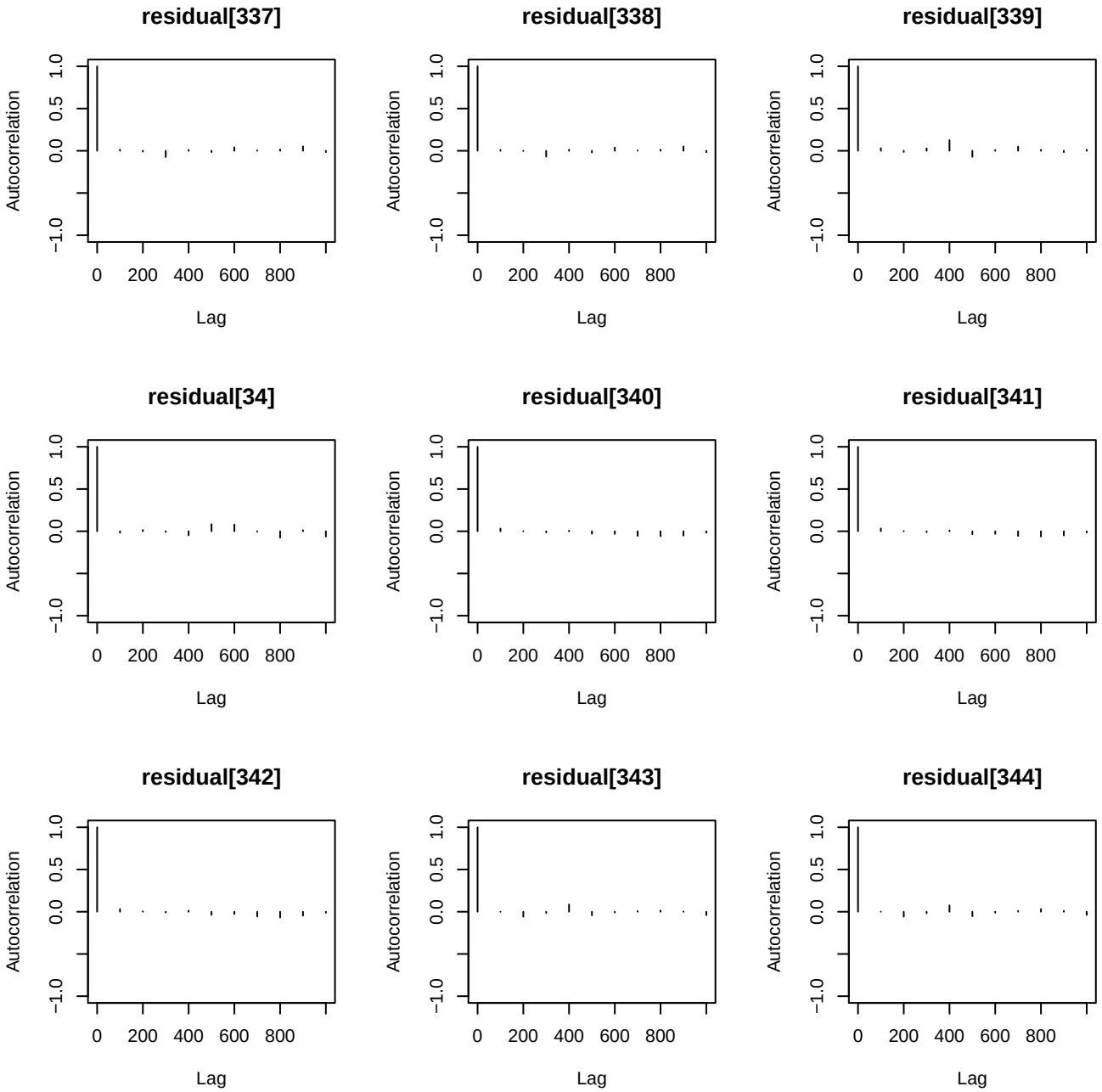

residual[297]
residual[298]
residual[299]
residual[3]
residual[30]
residual[300]
residual[301]
residual[302]
residual[303]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

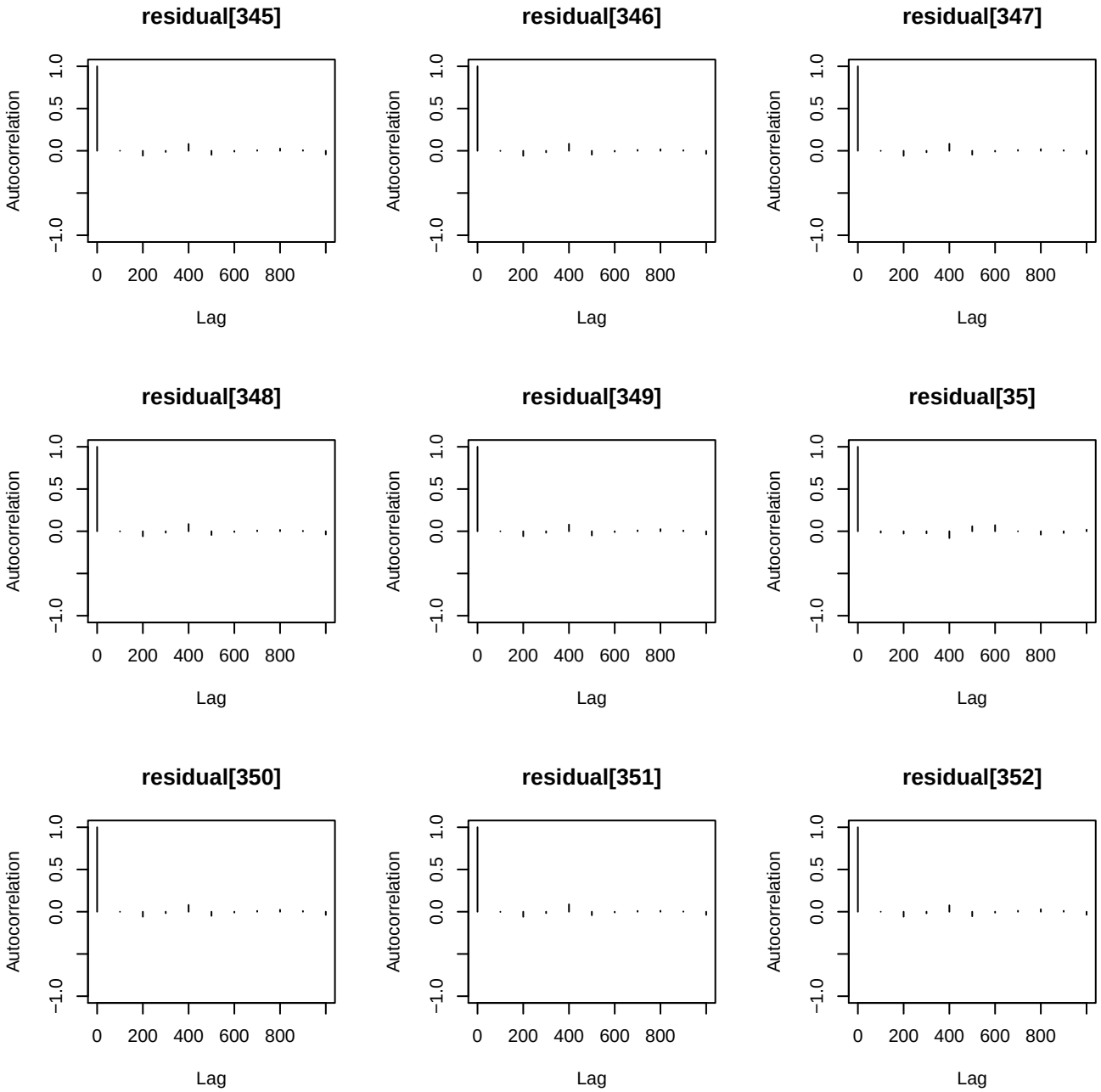

residual[304]
residual[305]
residual[306]
residual[307]
residual[308]
residual[309]
residual[31]
residual[310]
residual[311]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

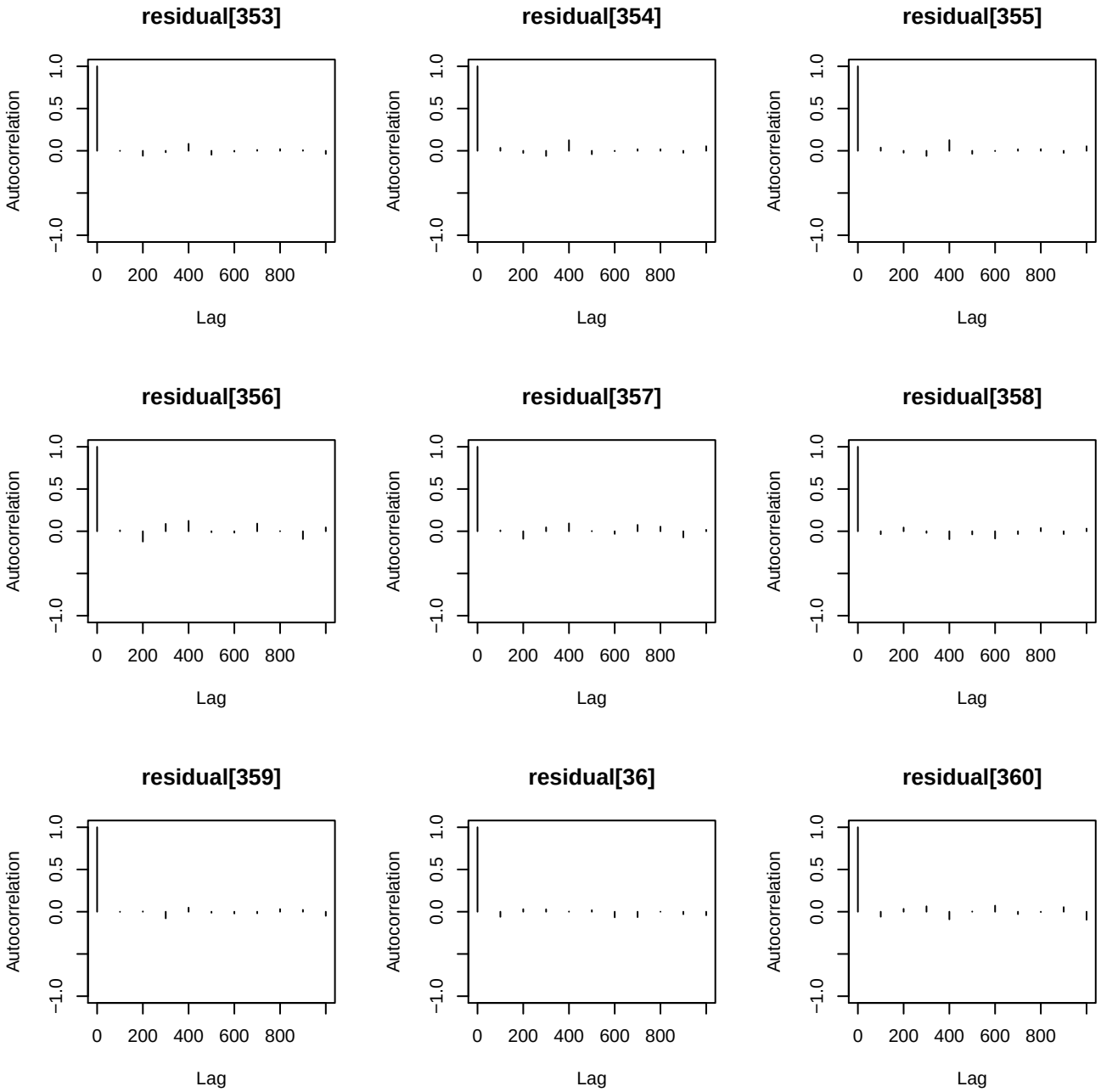

residual[312]
residual[313]
residual[314]
residual[315]
residual[316]
residual[317]
residual[318]
residual[319]
residual[32]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

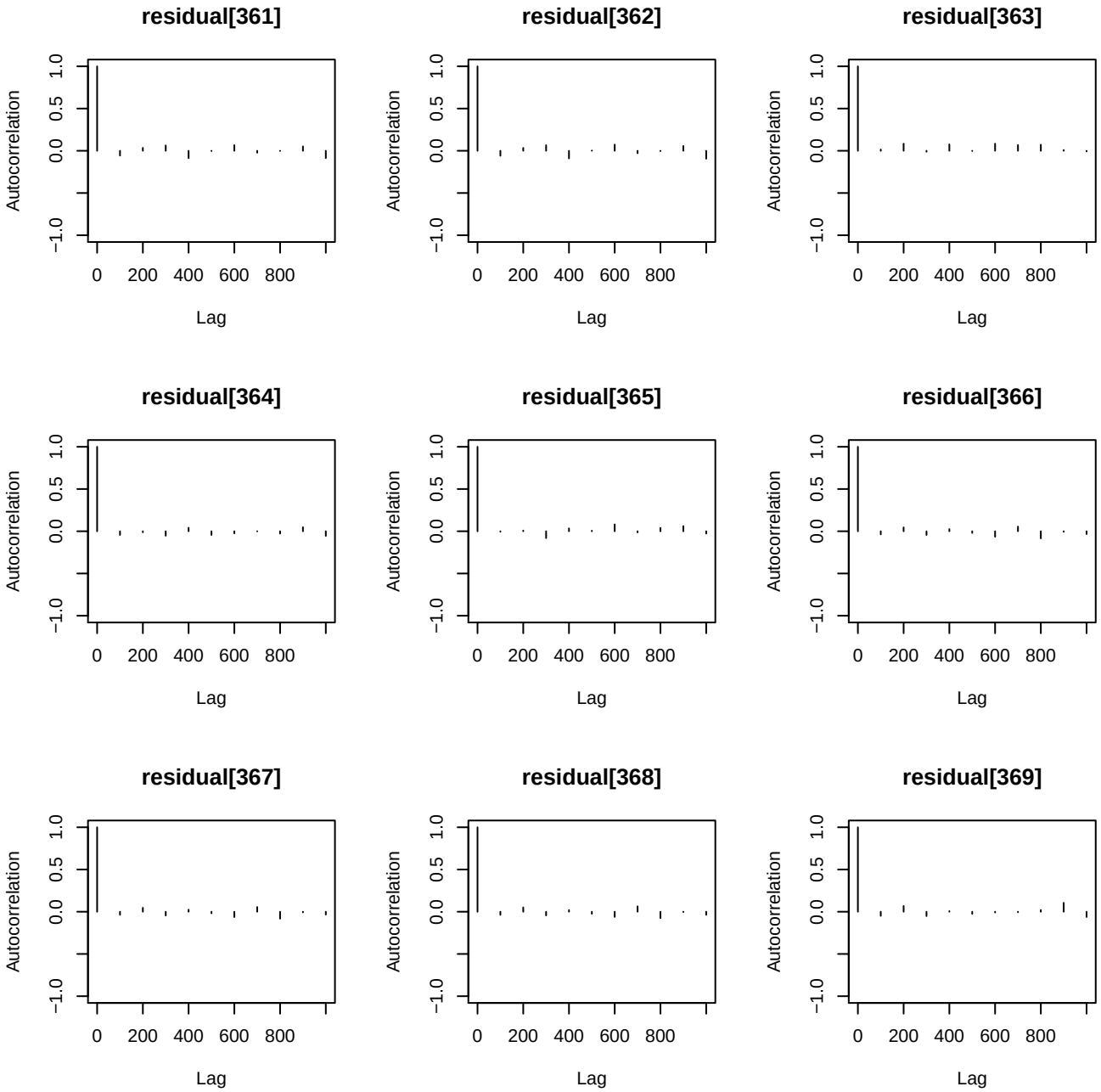

residual[320]
residual[321]
residual[322]
residual[323]
residual[324]
residual[325]
residual[326]
residual[327]
residual[328]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

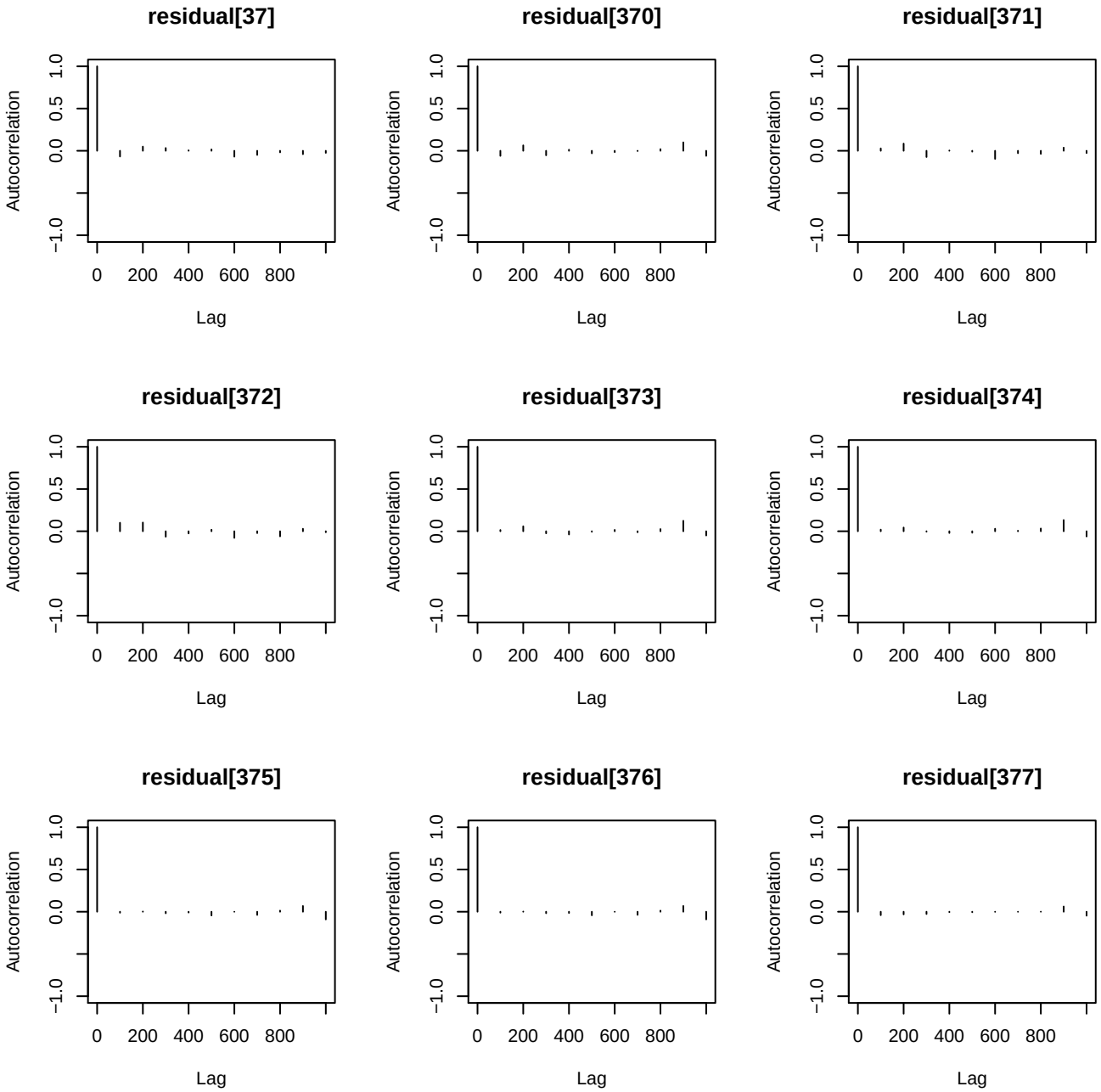

residual[329]
residual[33]
residual[330]
residual[331]
residual[332]
residual[333]
residual[334]
residual[335]
residual[336]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

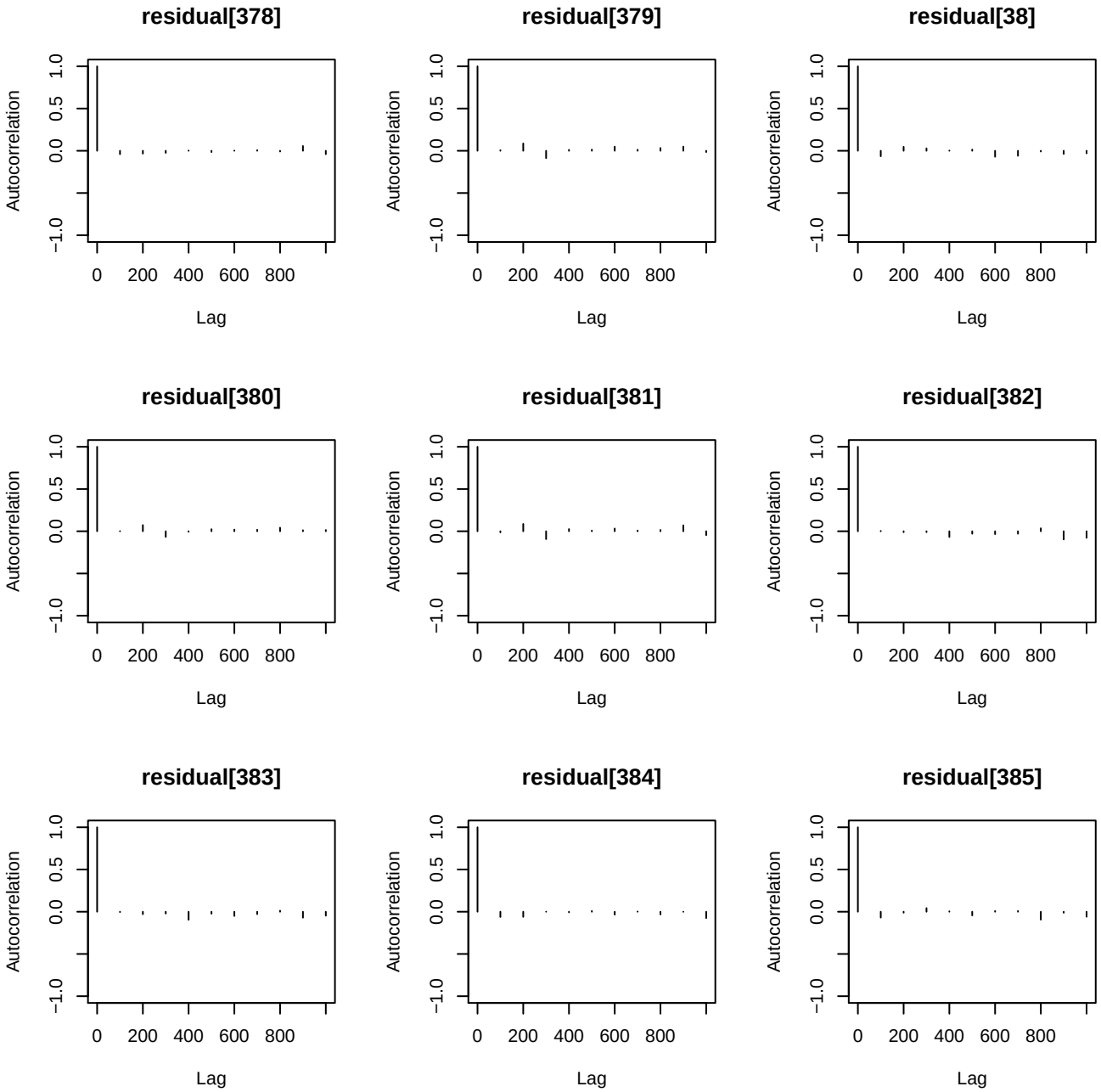

residual[337]
residual[338]
residual[339]
residual[34]
residual[340]
residual[341]
residual[342]
residual[343]
residual[344]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

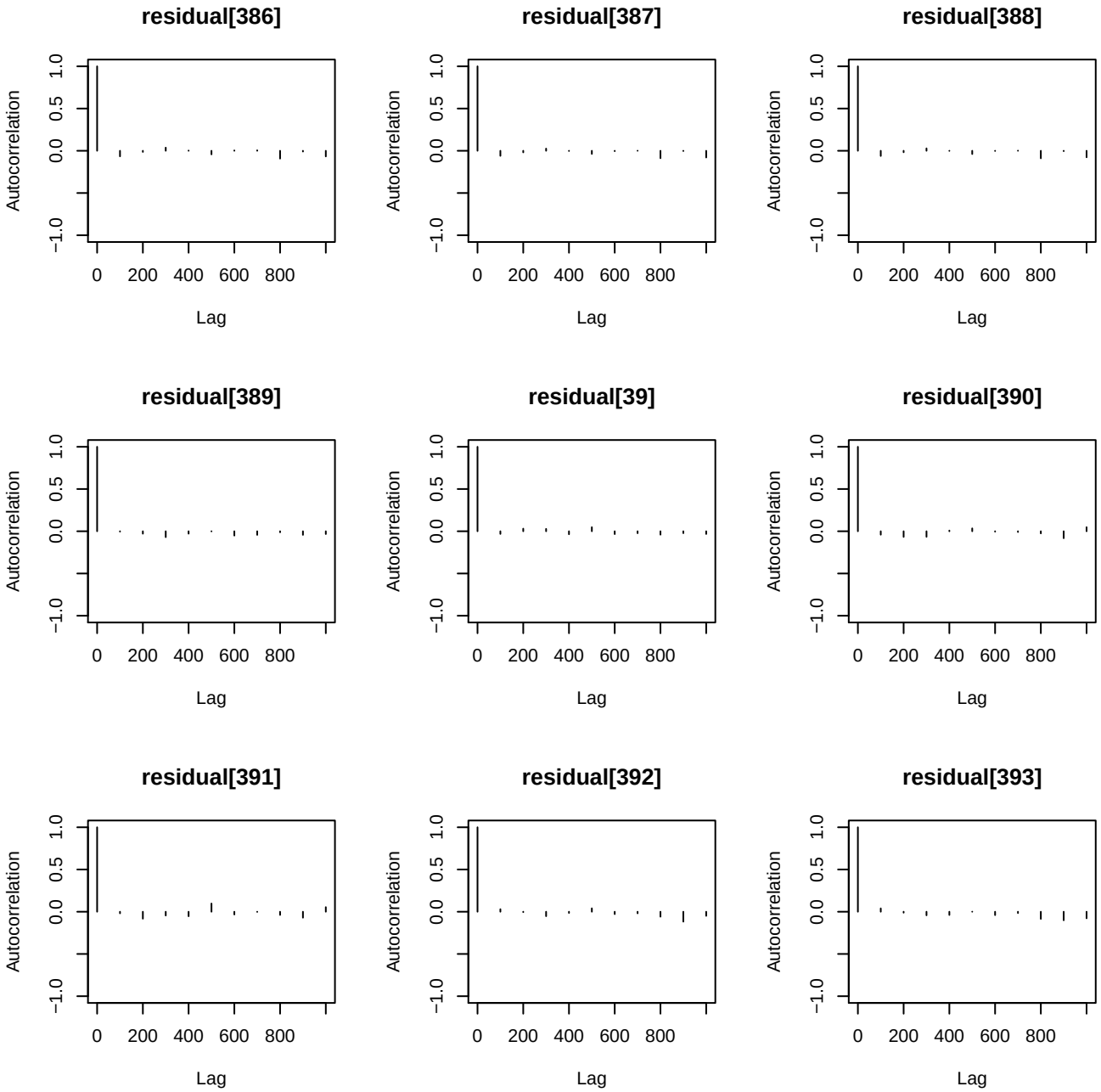

residual[345]
residual[346]
residual[347]
residual[348]
residual[349]
residual[35]
residual[350]
residual[351]
residual[352]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

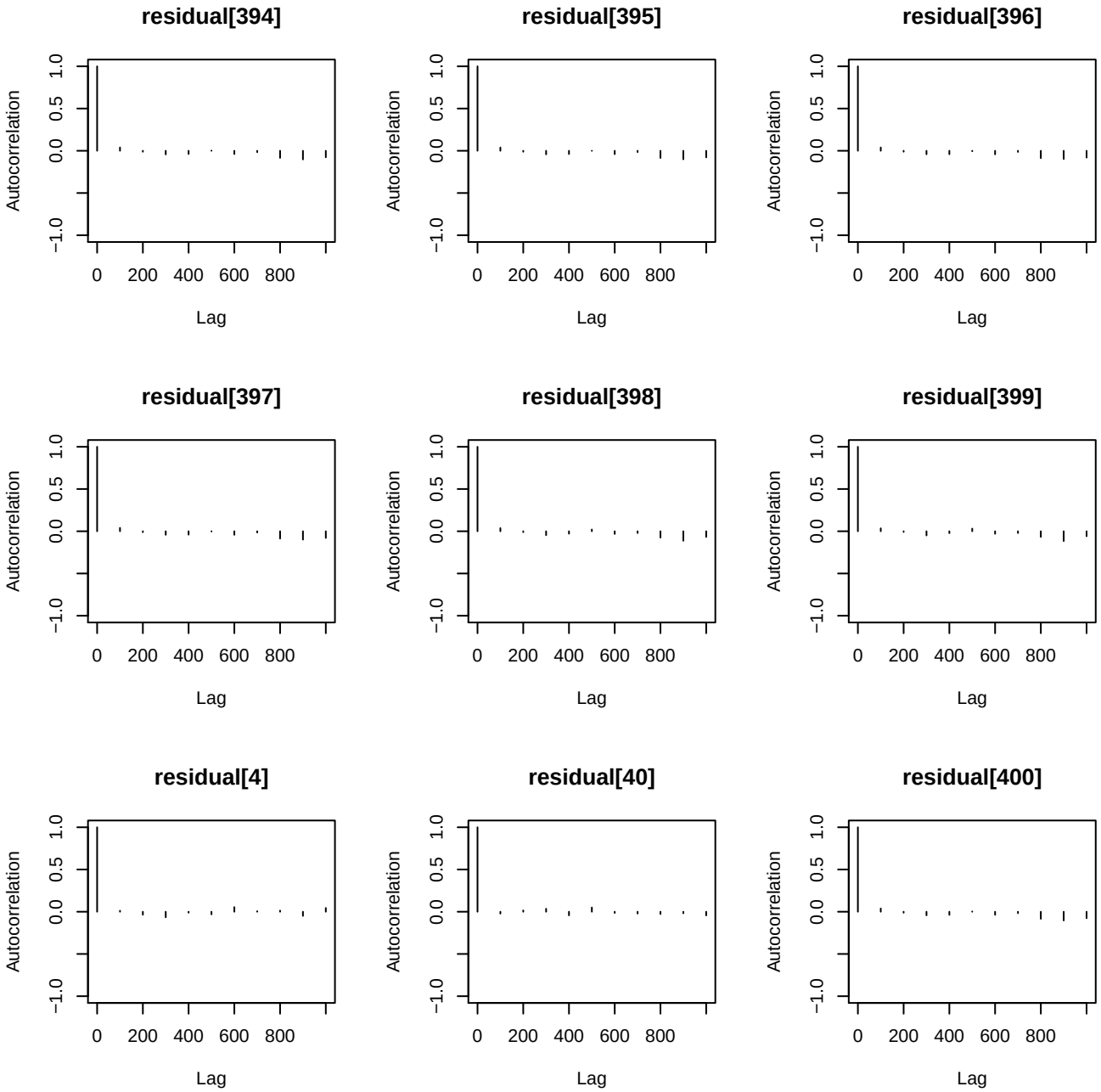

residual[353]
residual[354]
residual[355]
residual[356]
residual[357]
residual[358]
residual[359]
residual[36]
residual[360]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

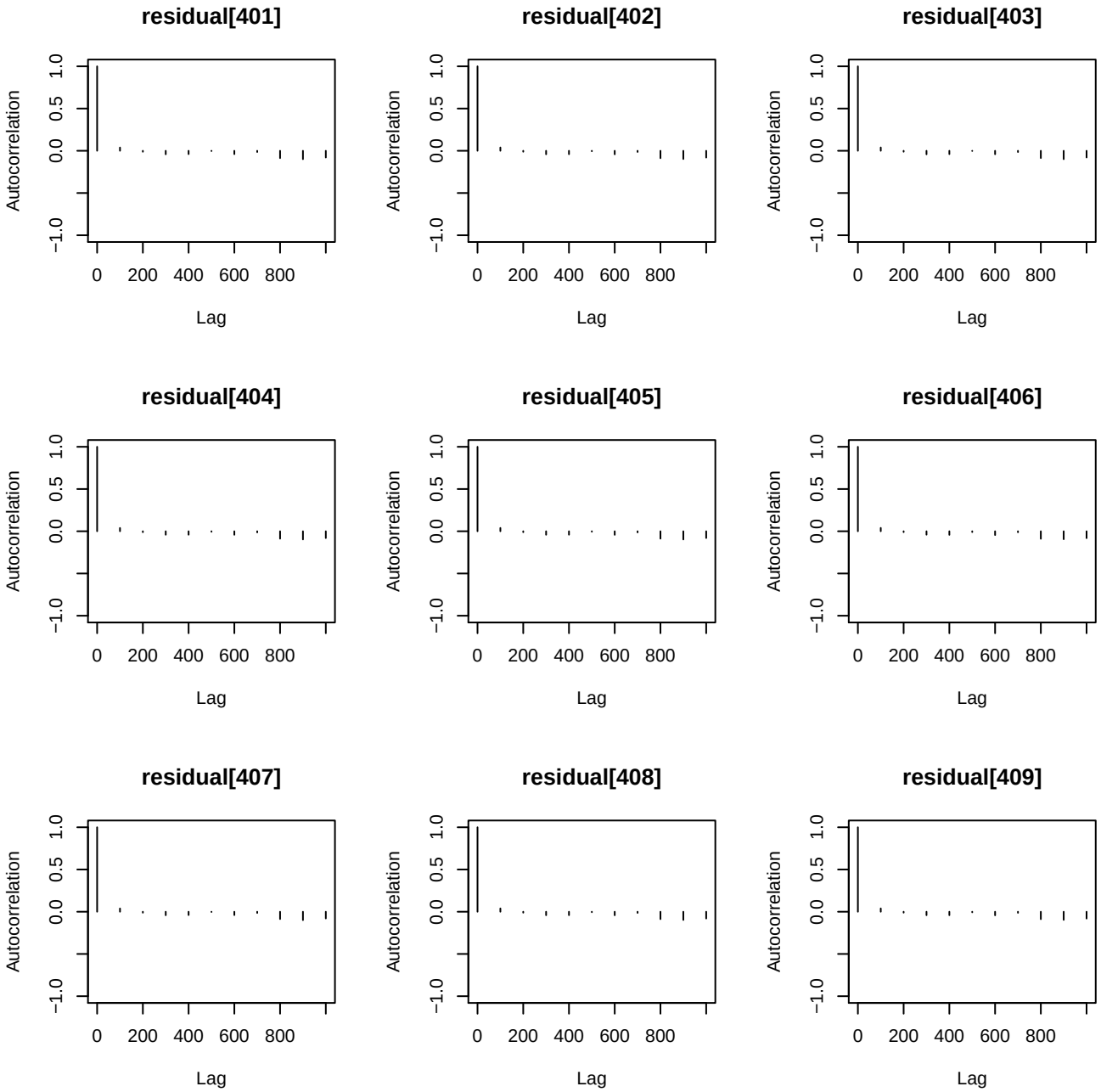

residual[361]
residual[362]
residual[363]
residual[364]
residual[365]
residual[366]
residual[367]
residual[368]
residual[369]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

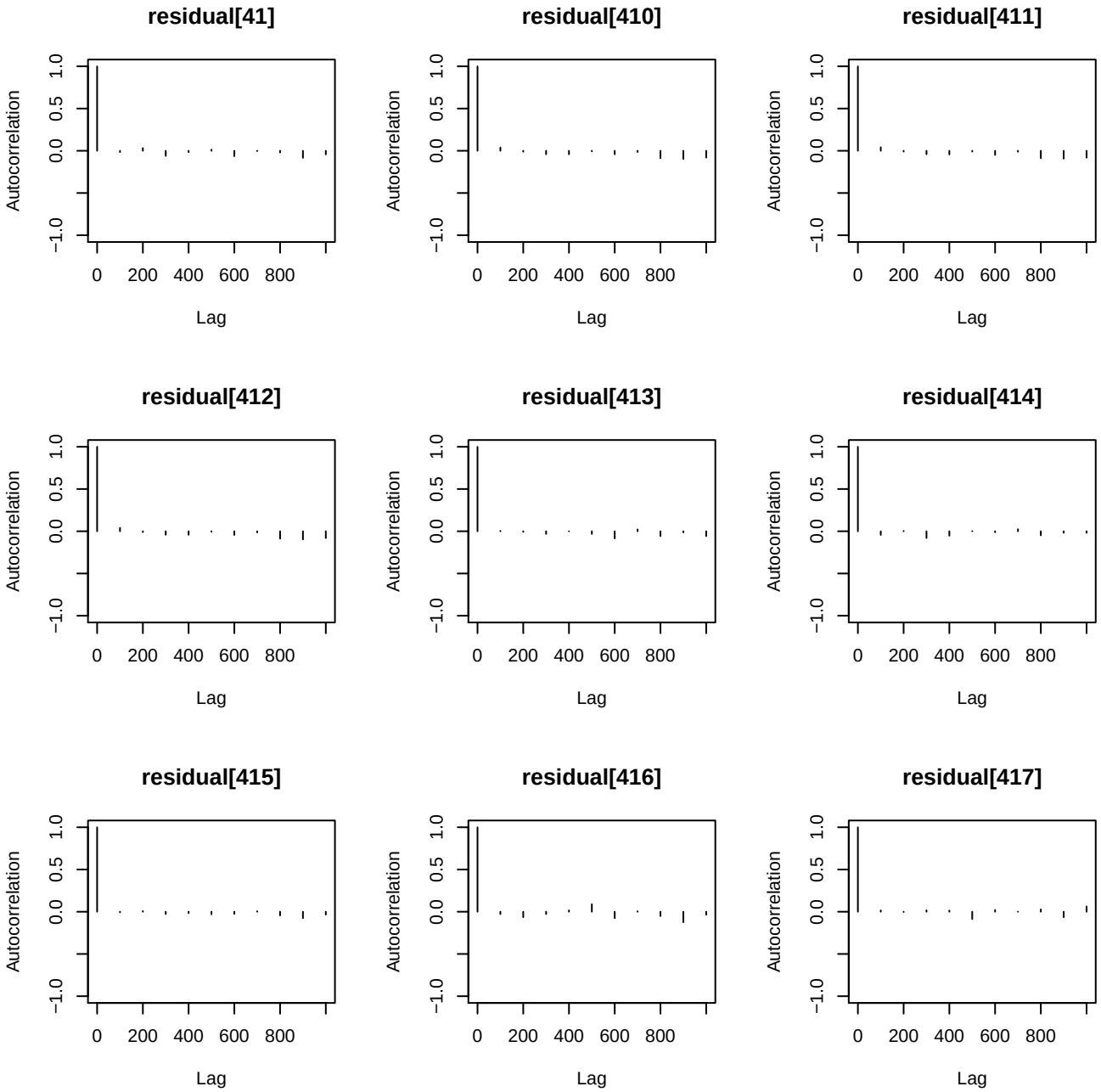

residual[37]
residual[370]
residual[371]
residual[372]
residual[373]
residual[374]
residual[375]
residual[376]
residual[377]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

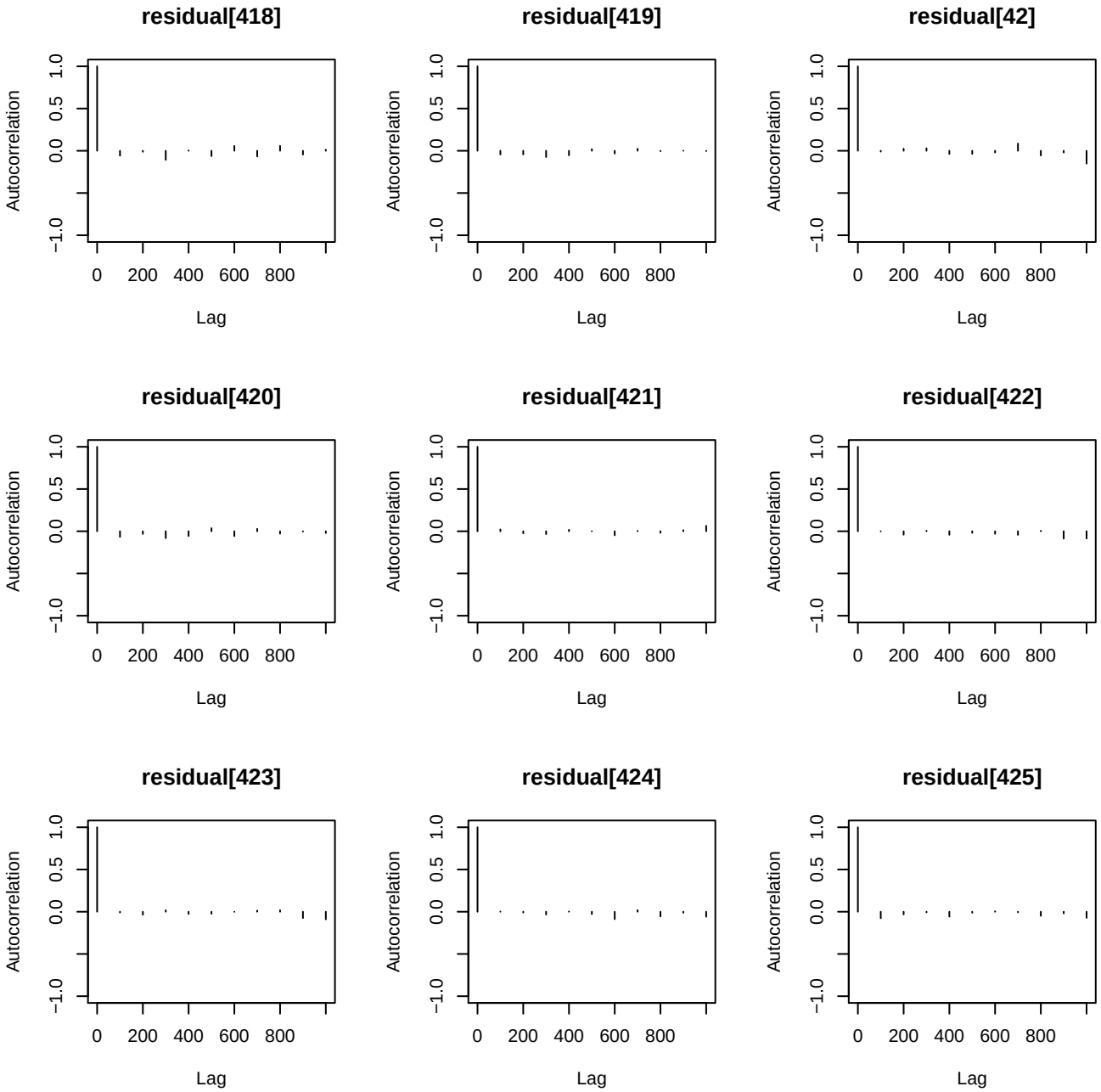

residual[378]
residual[379]
residual[38]
residual[380]
residual[381]
residual[382]
residual[383]
residual[384]
residual[385]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

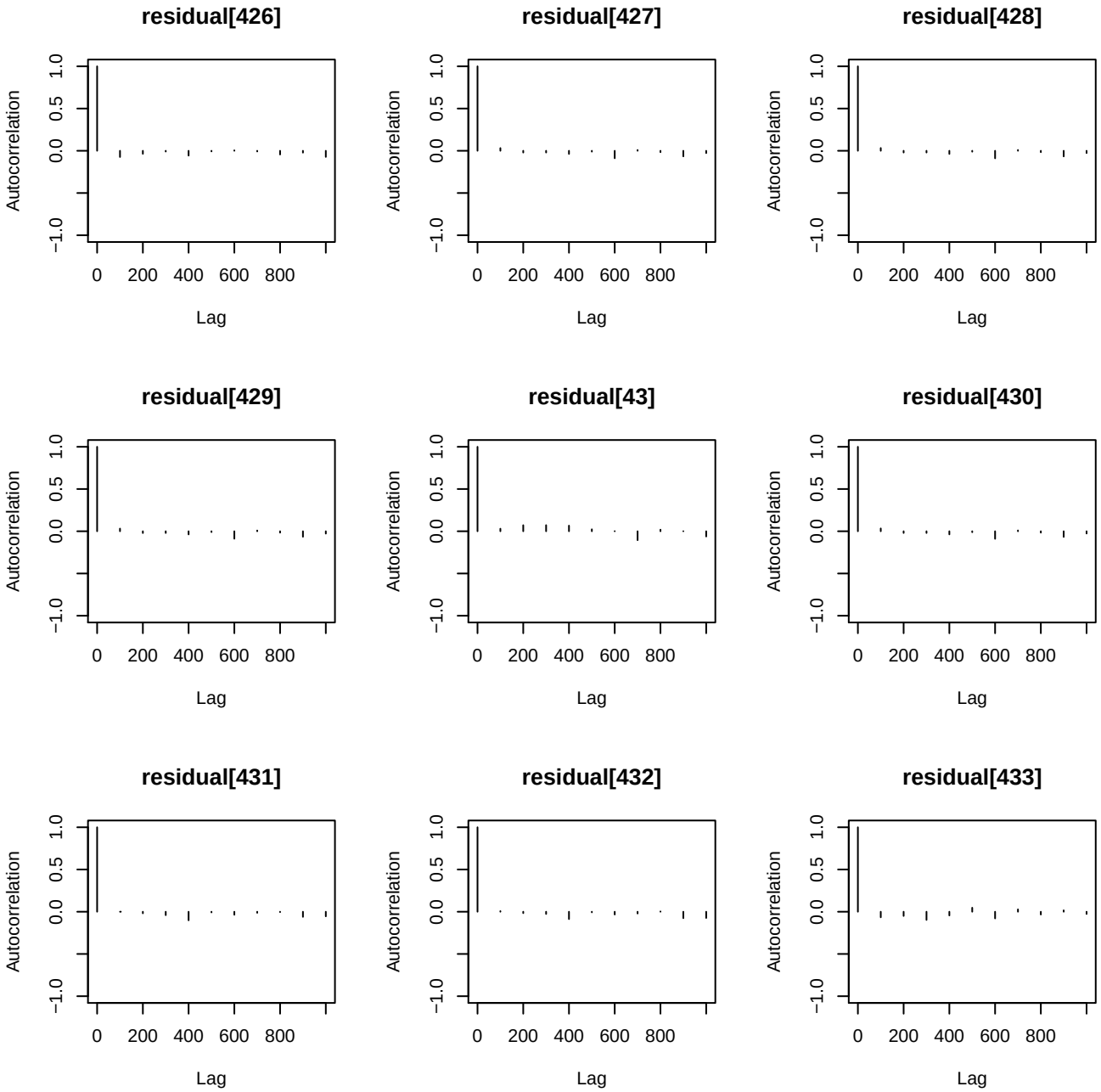

residual[386]
residual[387]
residual[388]
residual[389]
residual[39]
residual[390]
residual[391]
residual[392]
residual[393]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

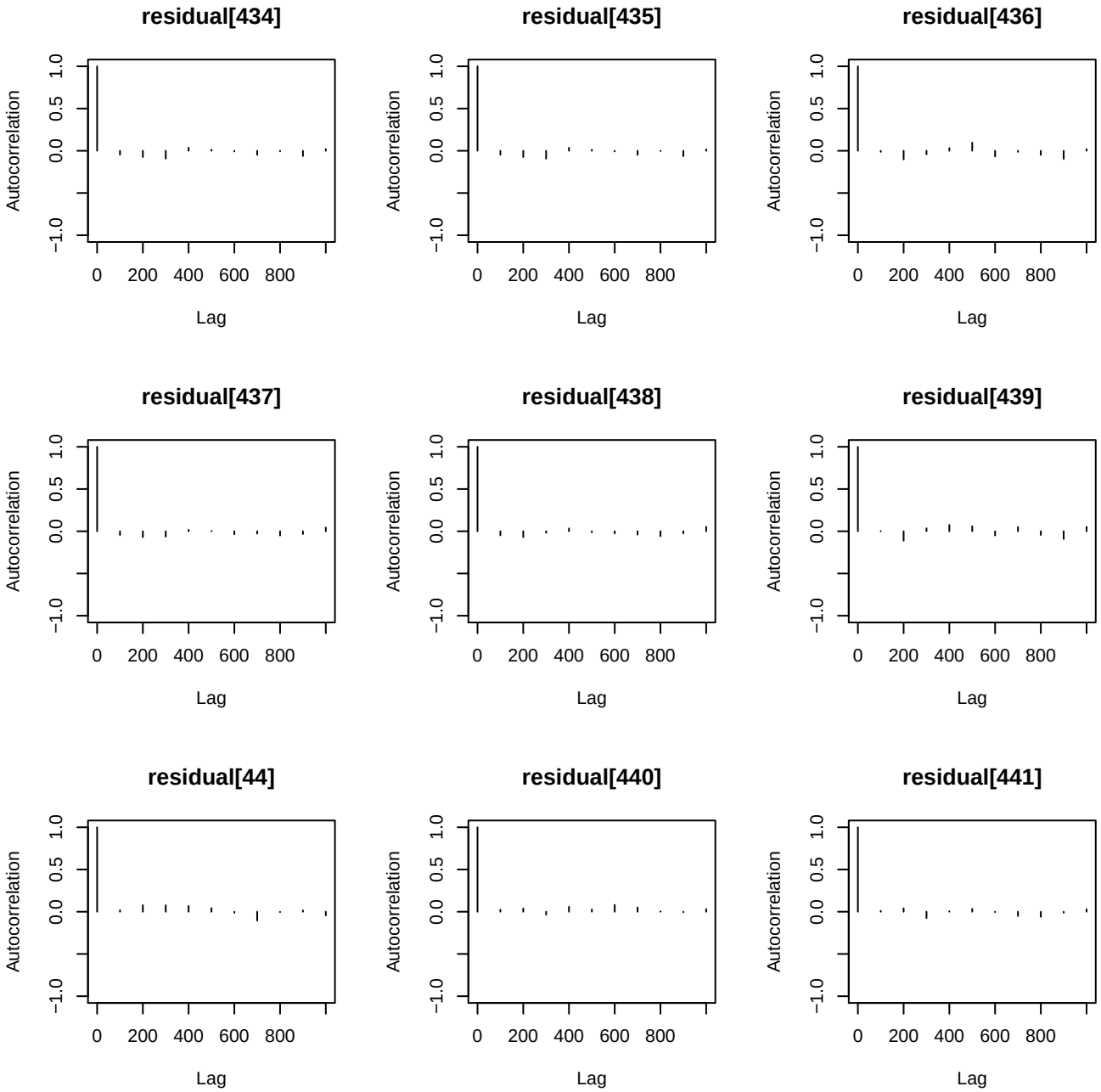

residual[394]
residual[395]
residual[396]
residual[397]
residual[398]
residual[399]
residual[4]
residual[40]
residual[400]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

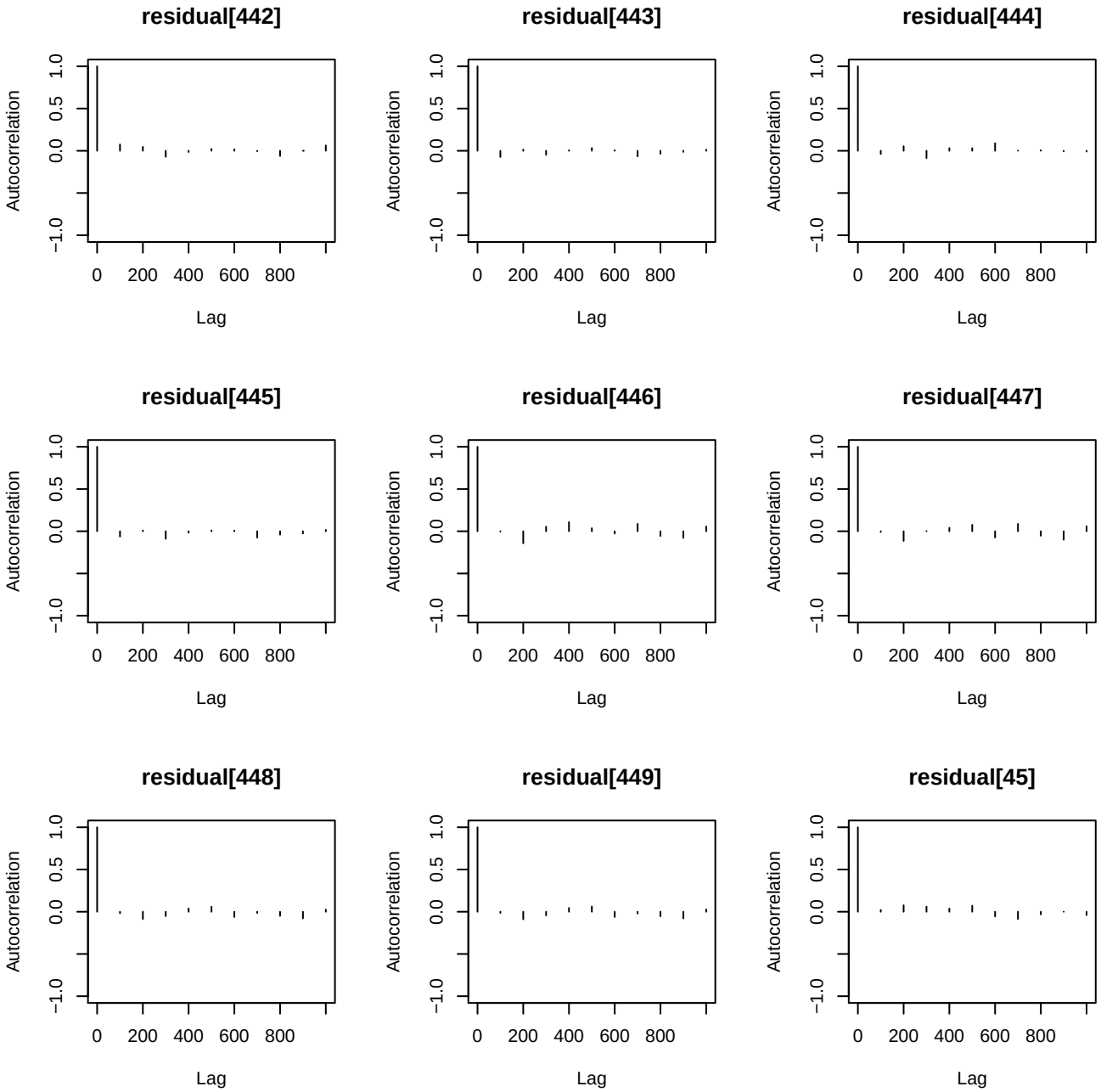

residual[401]
residual[402]
residual[403]
residual[404]
residual[405]
residual[406]
residual[407]
residual[408]
residual[409]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

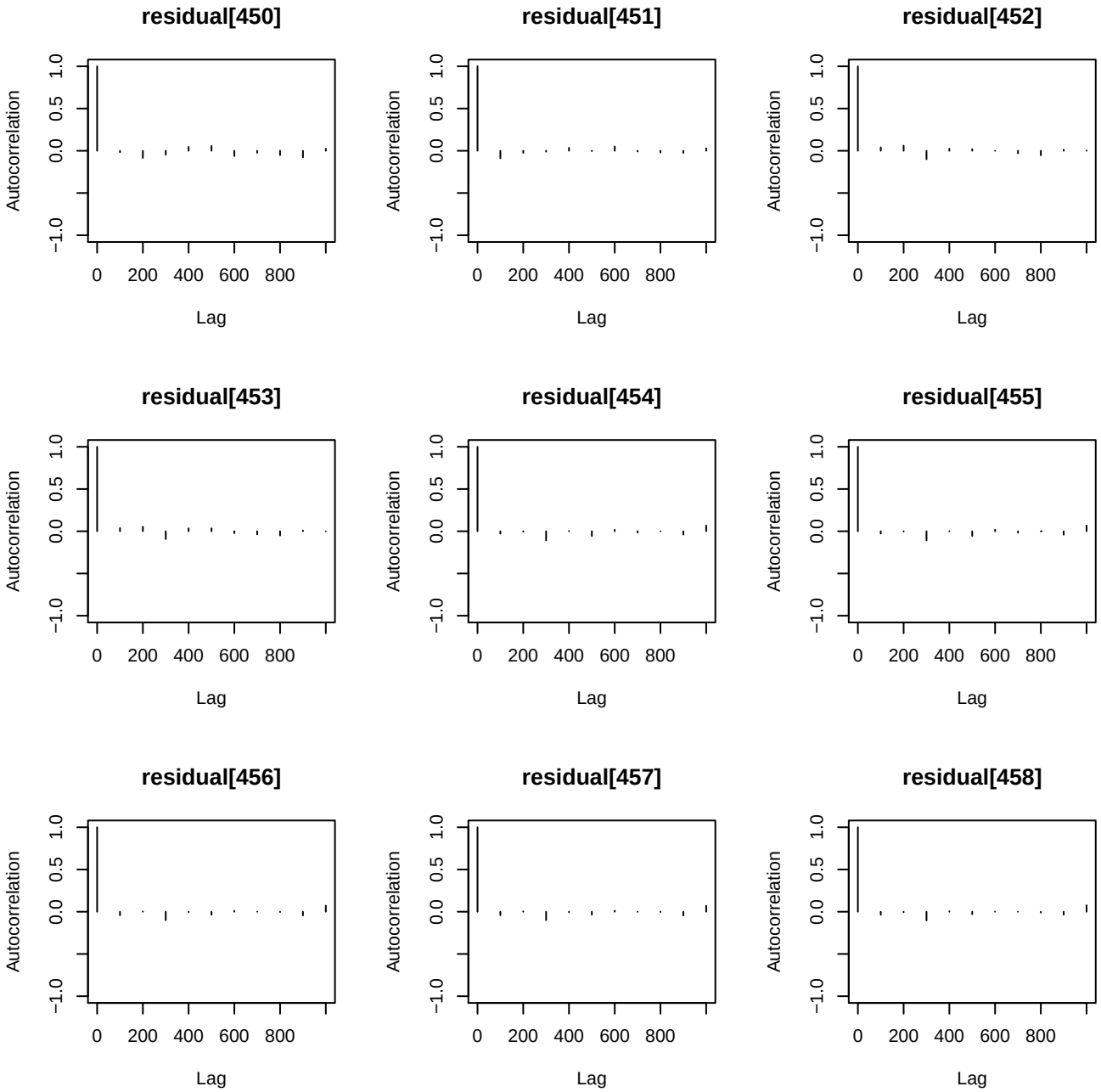

residual[41]
residual[410]
residual[411]
residual[412]
residual[413]
residual[414]
residual[415]
residual[416]
residual[417]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

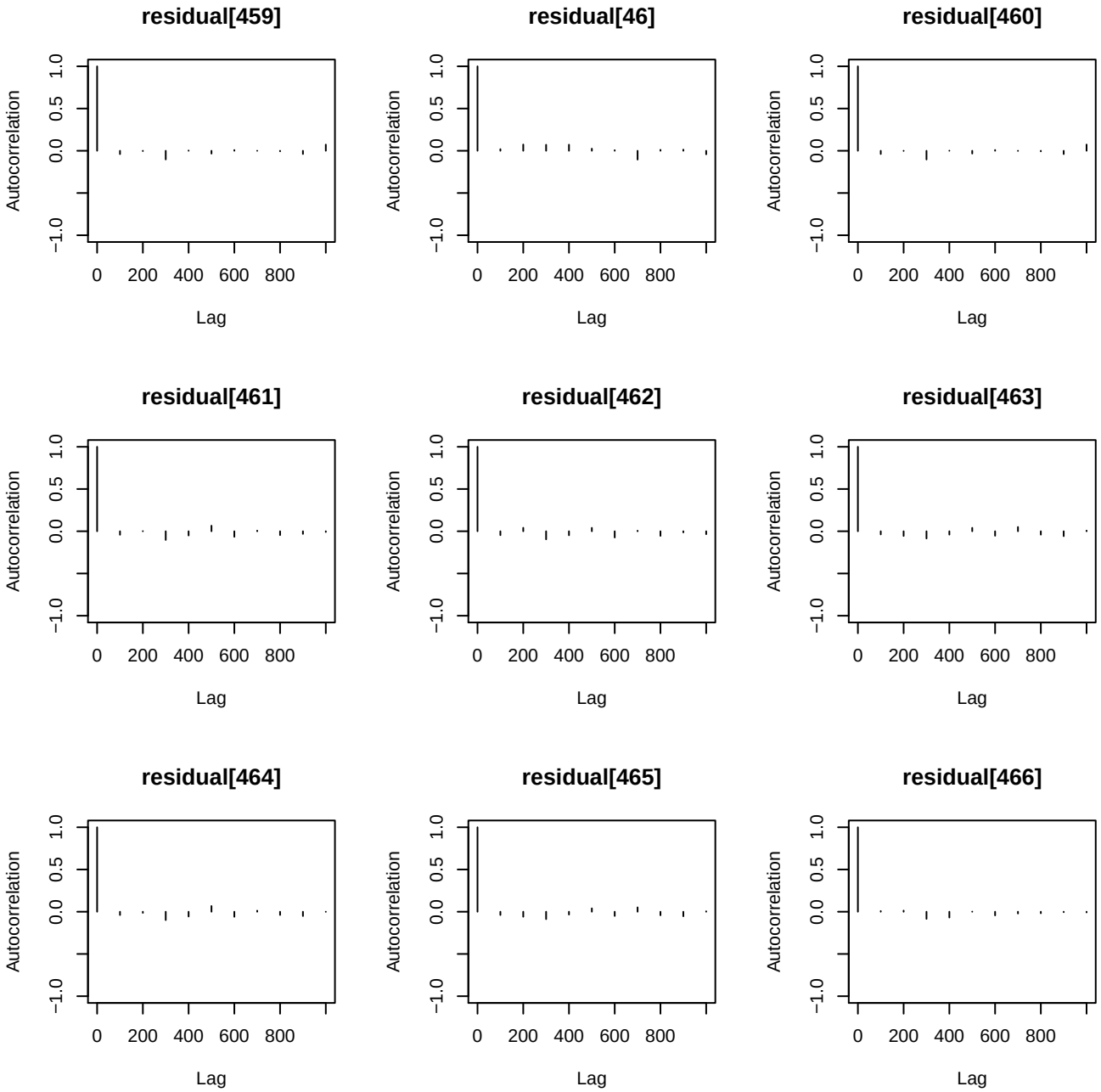

residual[418]
residual[419]
residual[42]
residual[420]
residual[421]
residual[422]
residual[423]
residual[424]
residual[425]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

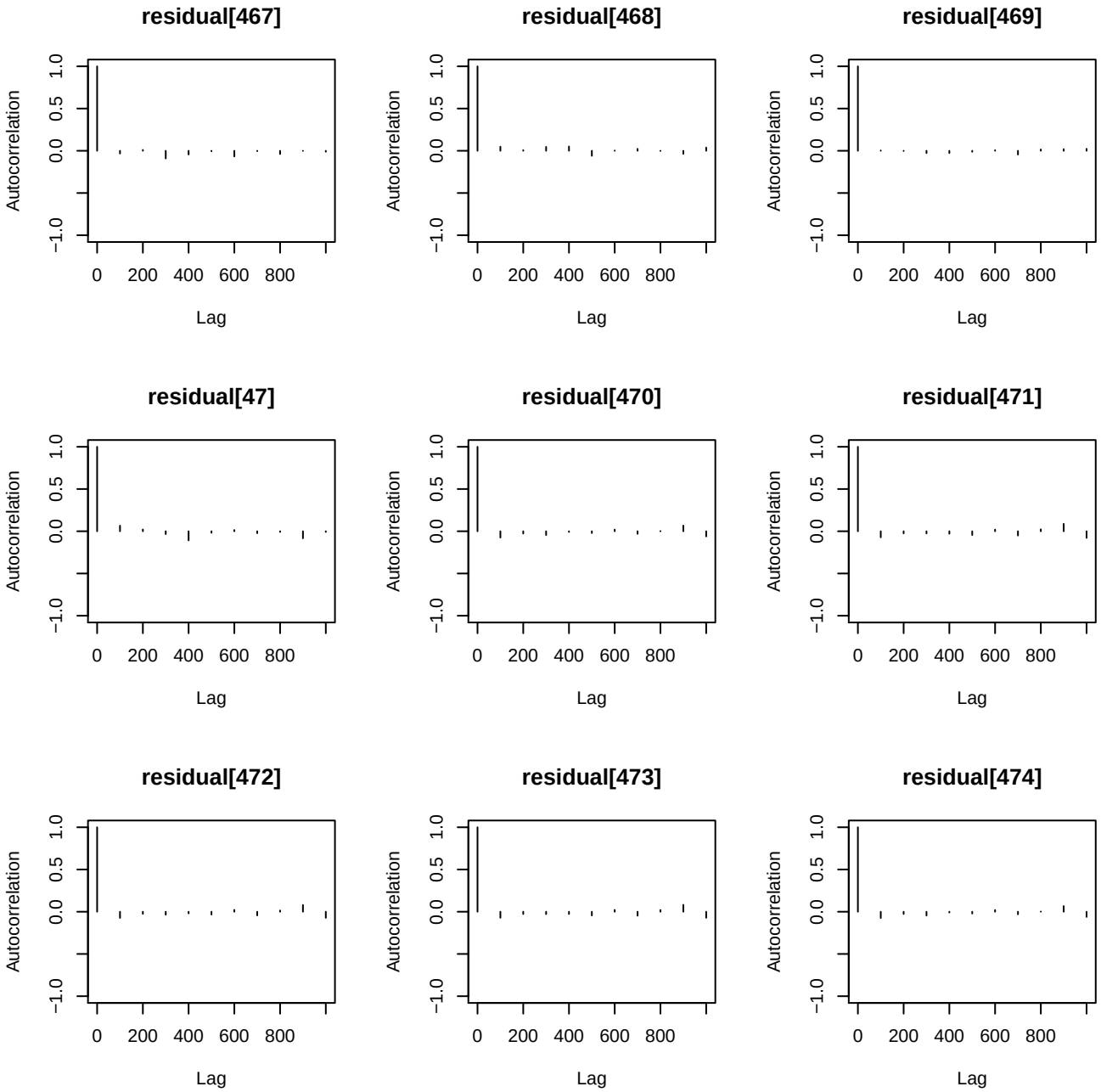

residual[426]
residual[427]
residual[428]
residual[429]
residual[43]
residual[430]
residual[431]
residual[432]
residual[433]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

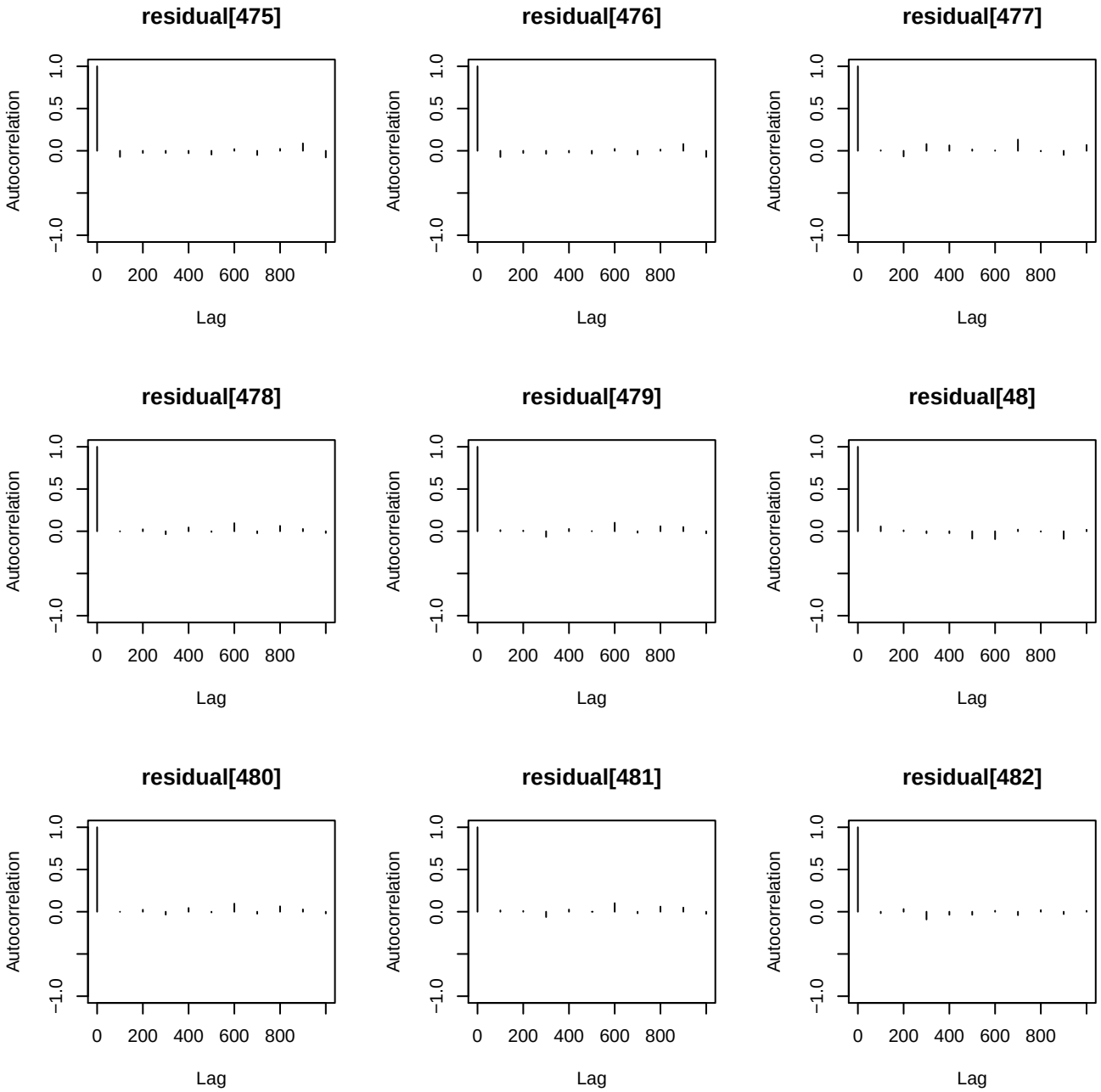

residual[434]
residual[435]
residual[436]
residual[437]
residual[438]
residual[439]
residual[44]
residual[440]
residual[441]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

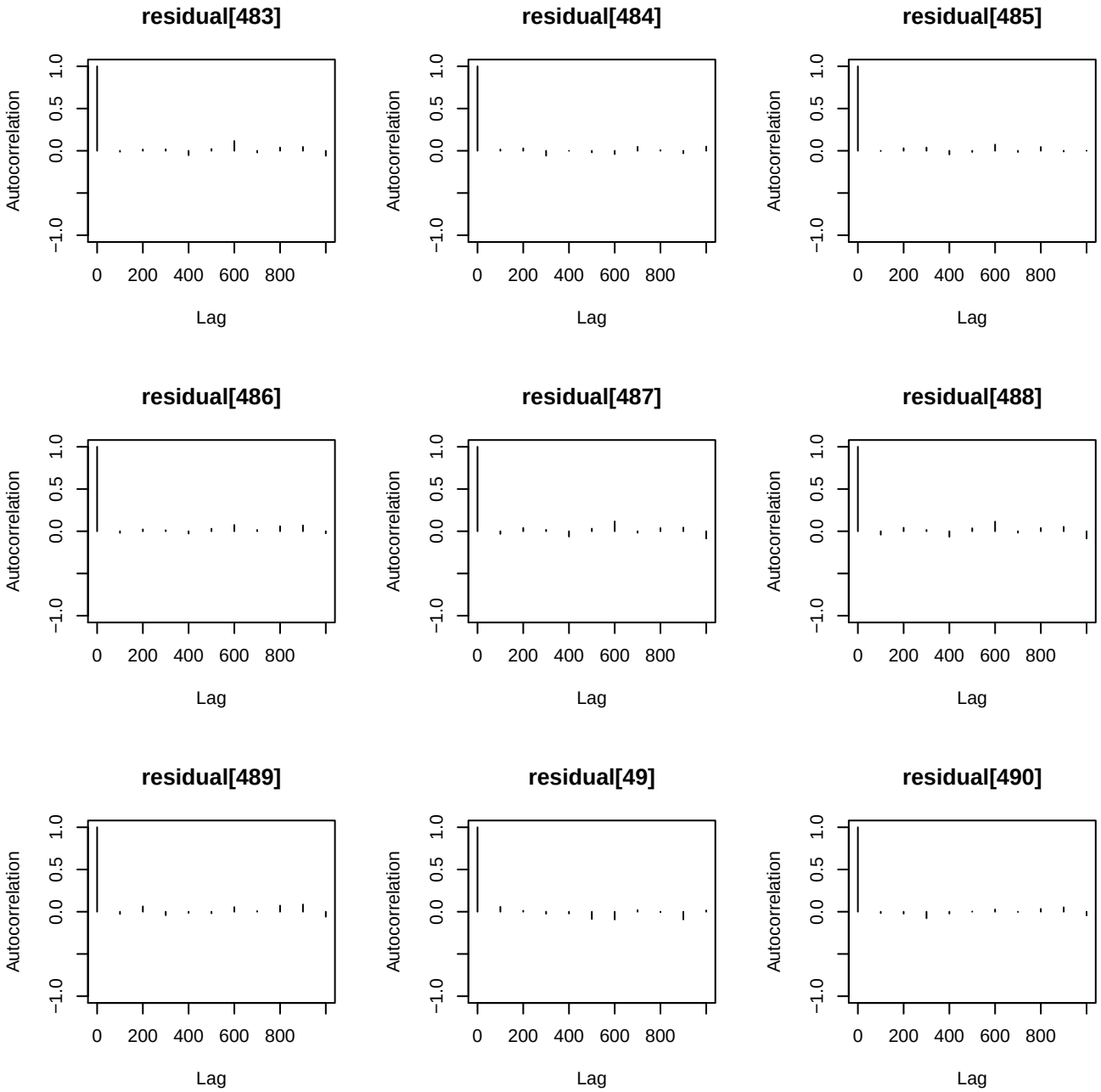

residual[442]
residual[443]
residual[444]
residual[445]
residual[446]
residual[447]
residual[448]
residual[449]
residual[45]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

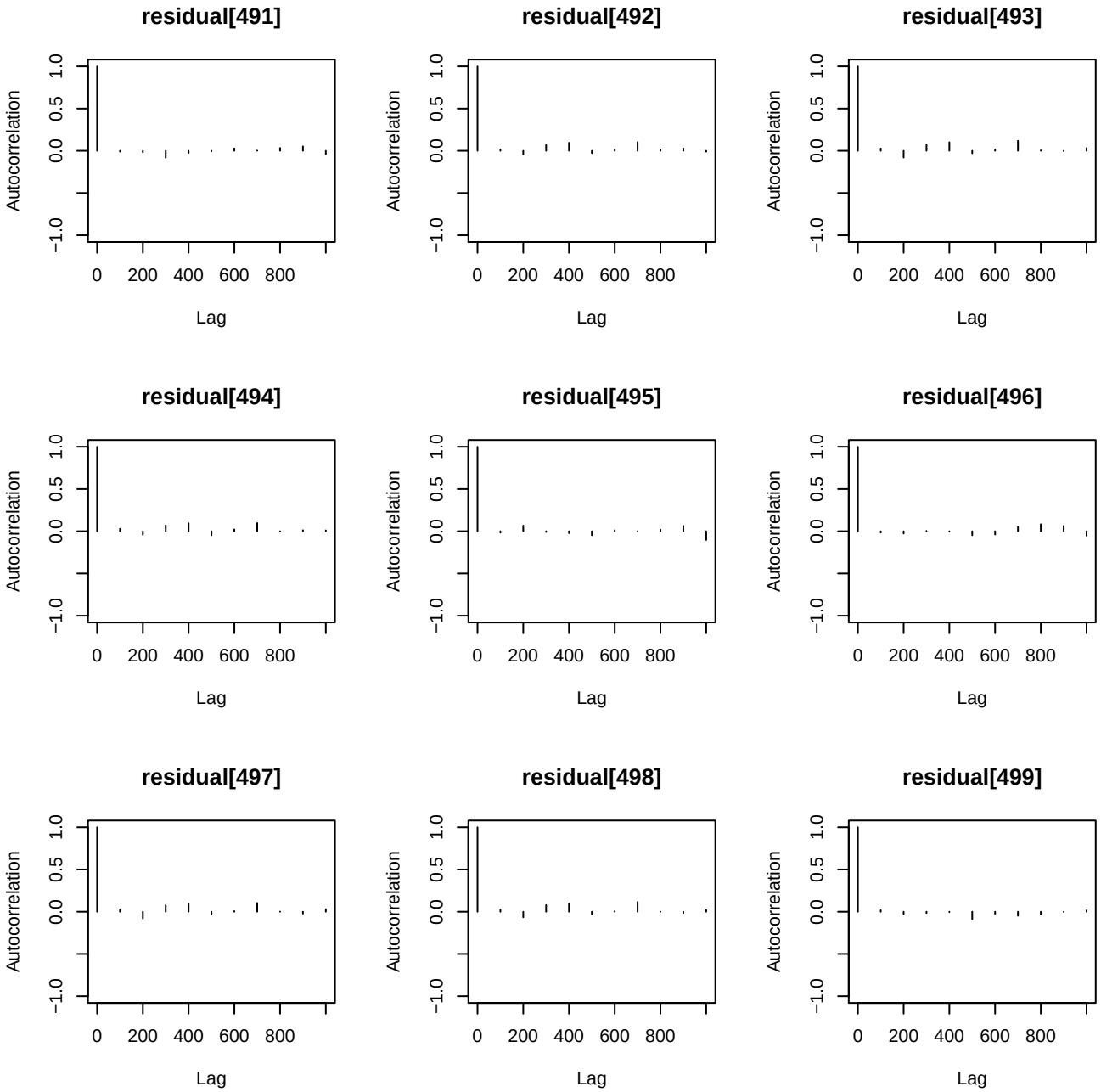

residual[450]
residual[451]
residual[452]
residual[453]
residual[454]
residual[455]
residual[456]
residual[457]
residual[458]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

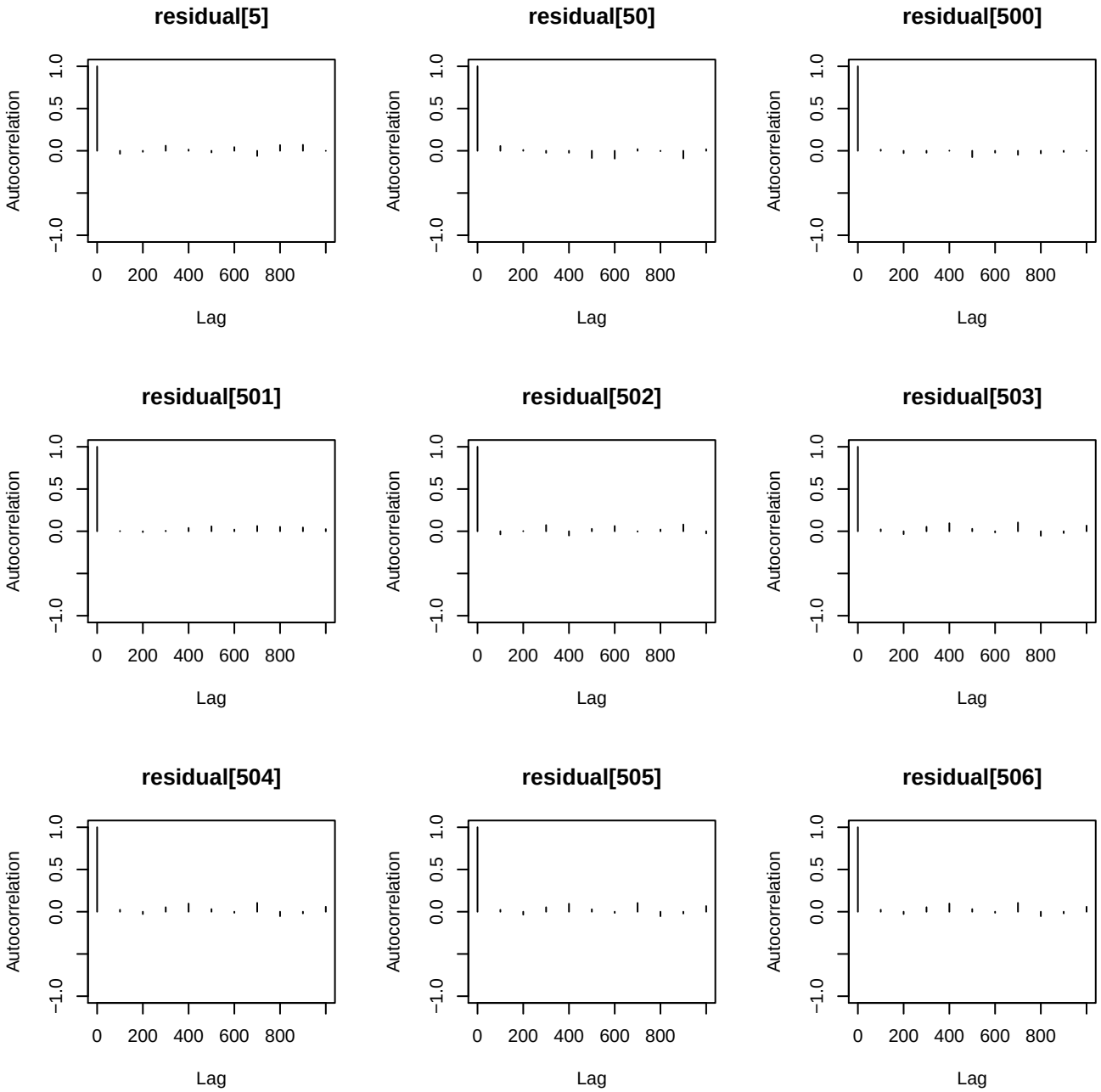

residual[459]
residual[46]
residual[460]
residual[461]
residual[462]
residual[463]
residual[464]
residual[465]
residual[466]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

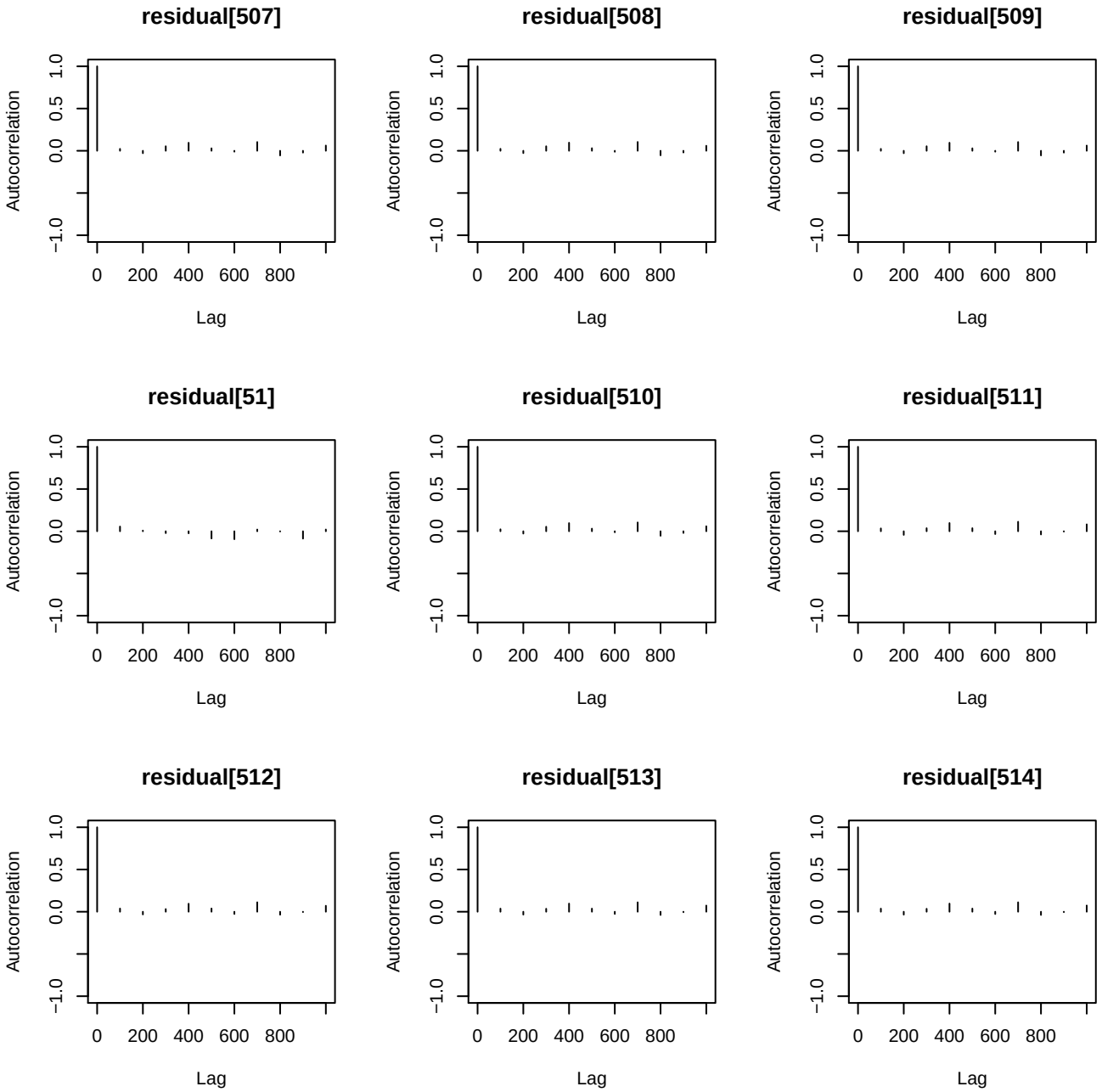

residual[467]
residual[468]
residual[469]
residual[47]
residual[470]
residual[471]
residual[472]
residual[473]
residual[474]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

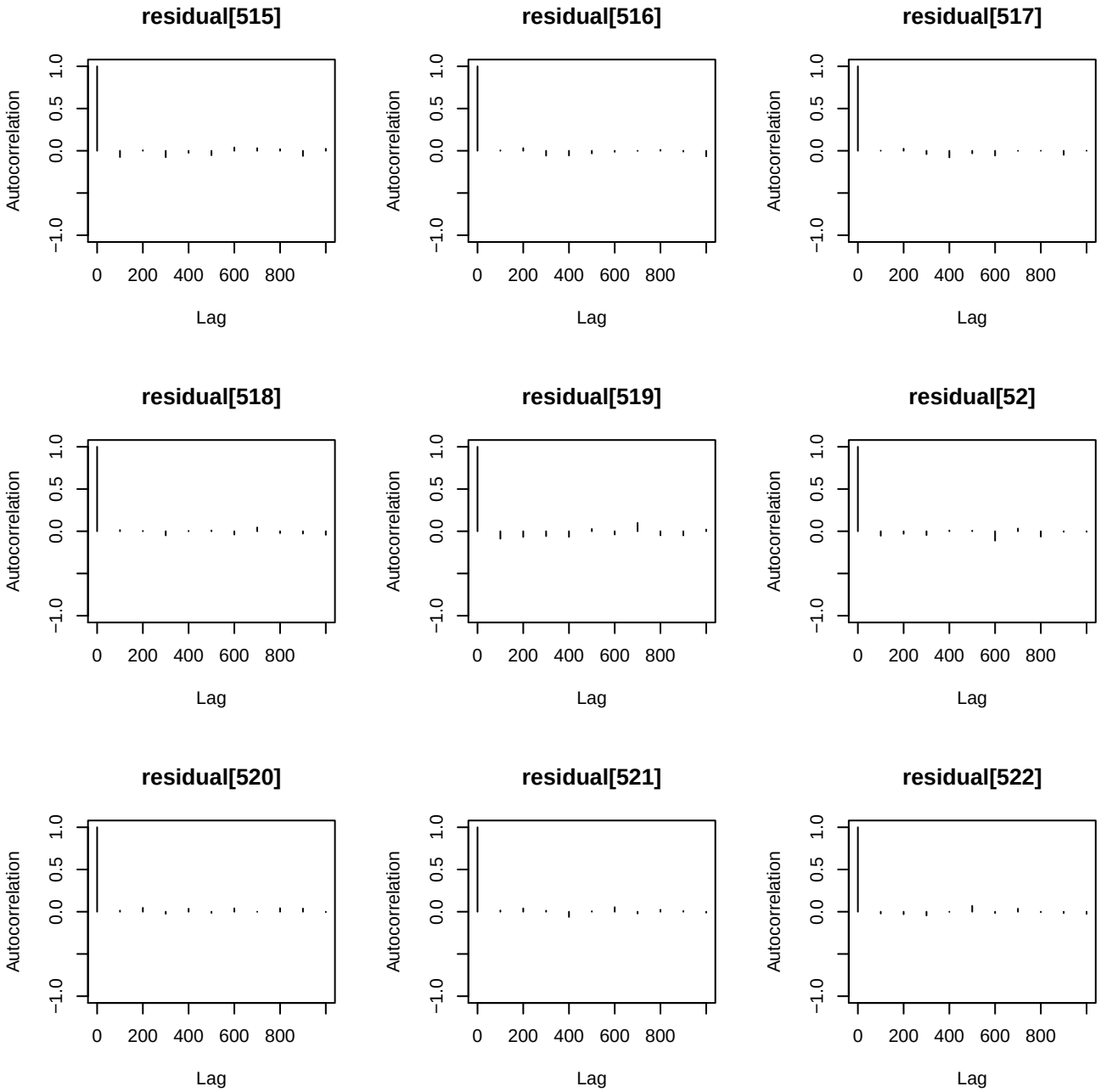

residual[475]
residual[476]
residual[477]
residual[478]
residual[479]
residual[48]
residual[480]
residual[481]
residual[482]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

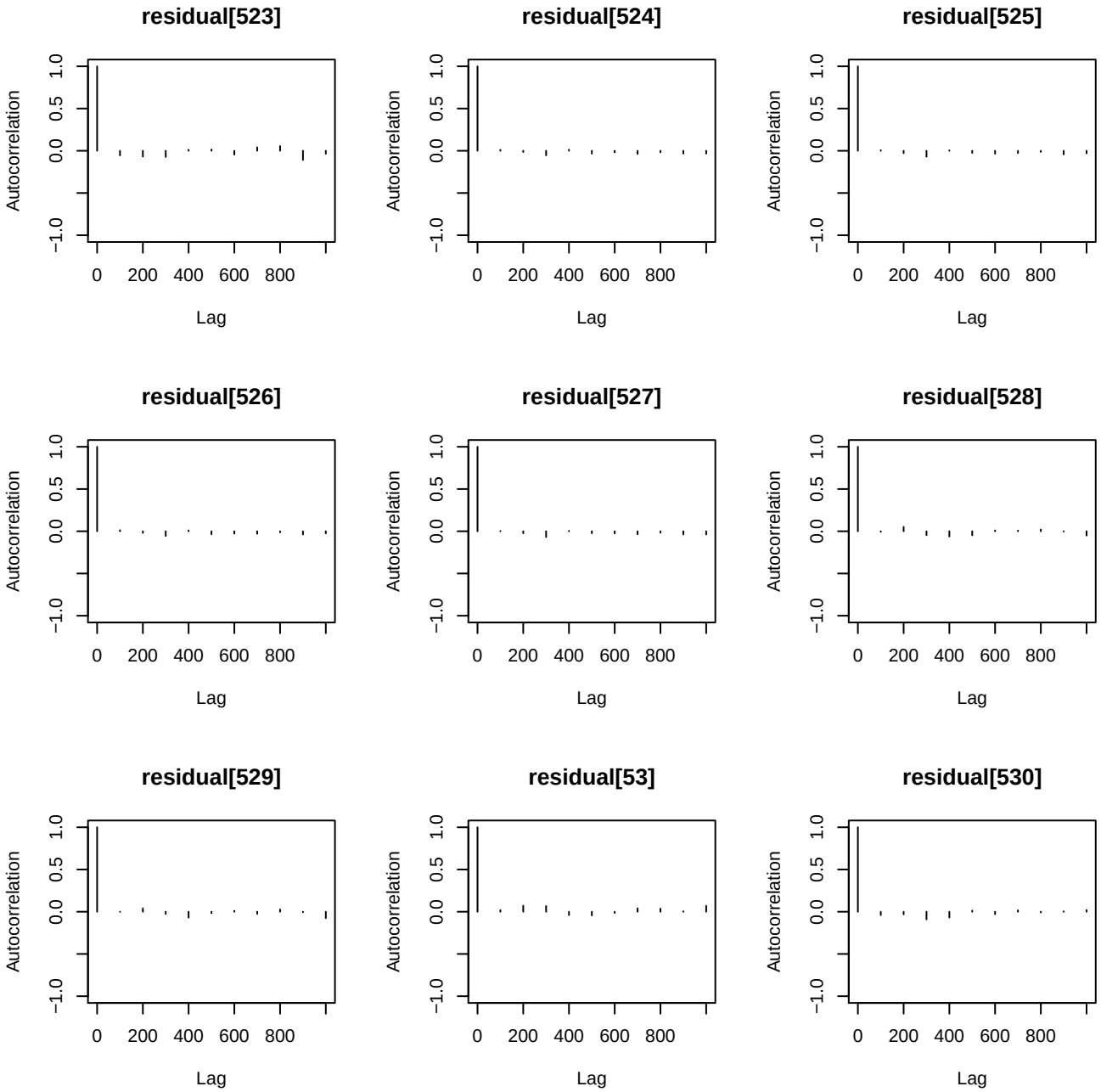

residual[483]
residual[484]
residual[485]
residual[486]
residual[487]
residual[488]
residual[489]
residual[49]
residual[490]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

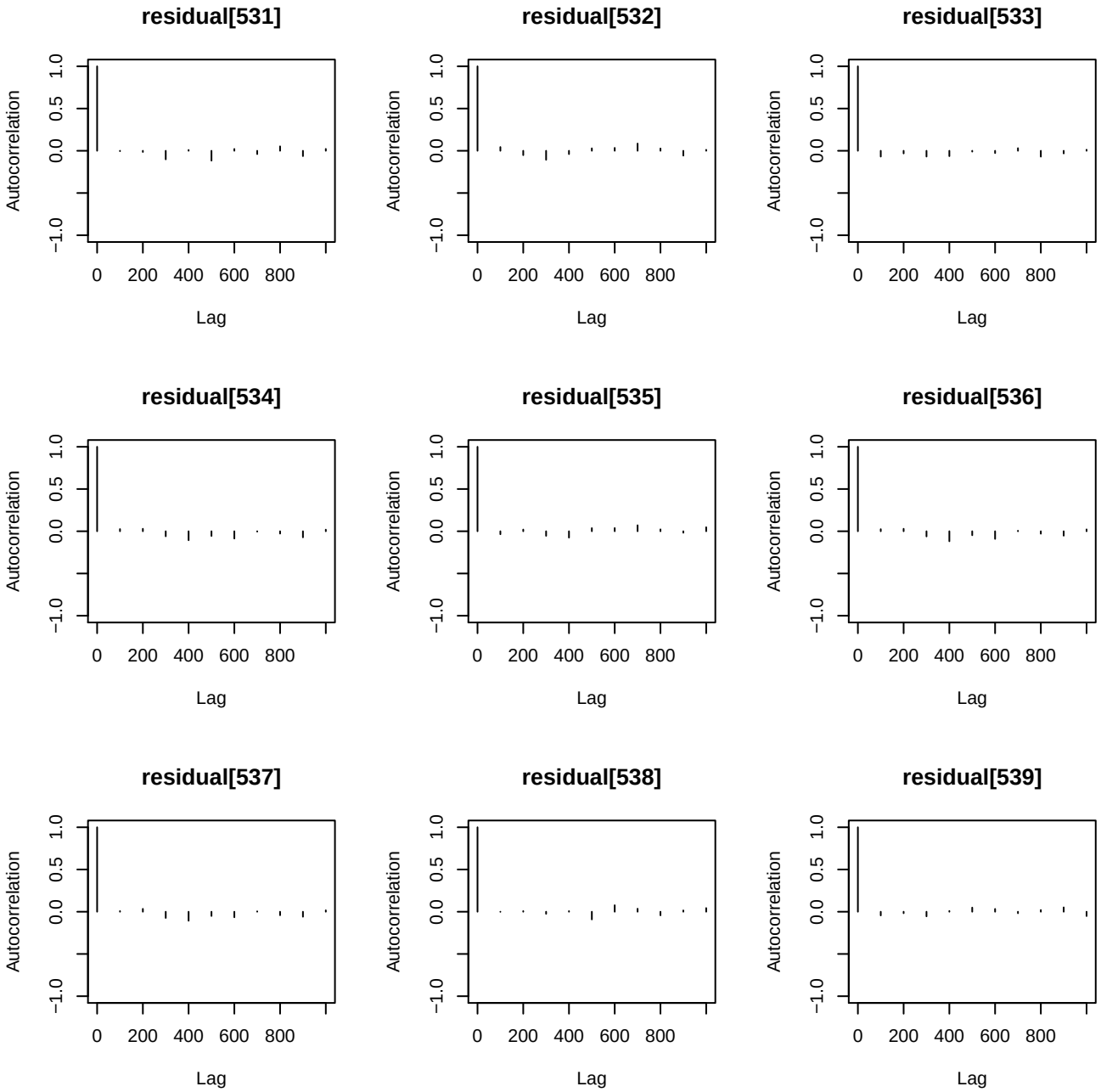

residual[491]
residual[492]
residual[493]
residual[494]
residual[495]
residual[496]
residual[497]
residual[498]
residual[499]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

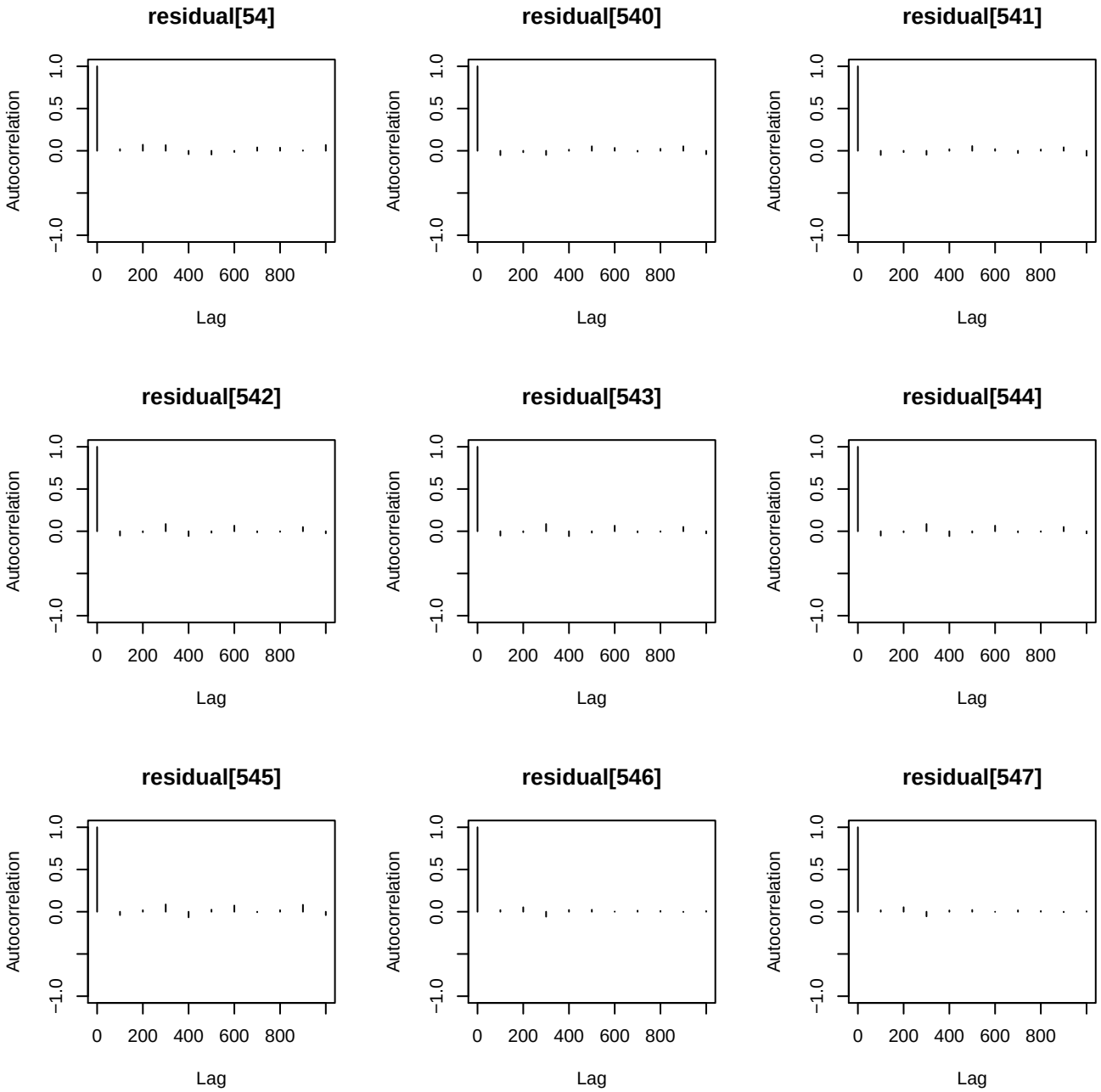

residual[5]
residual[50]
residual[500]
residual[501]
residual[502]
residual[503]
residual[504]
residual[505]
residual[506]
Autocorrelation
−1.0
0.0
0.5
1.0
0
200
400
600
800
Lag

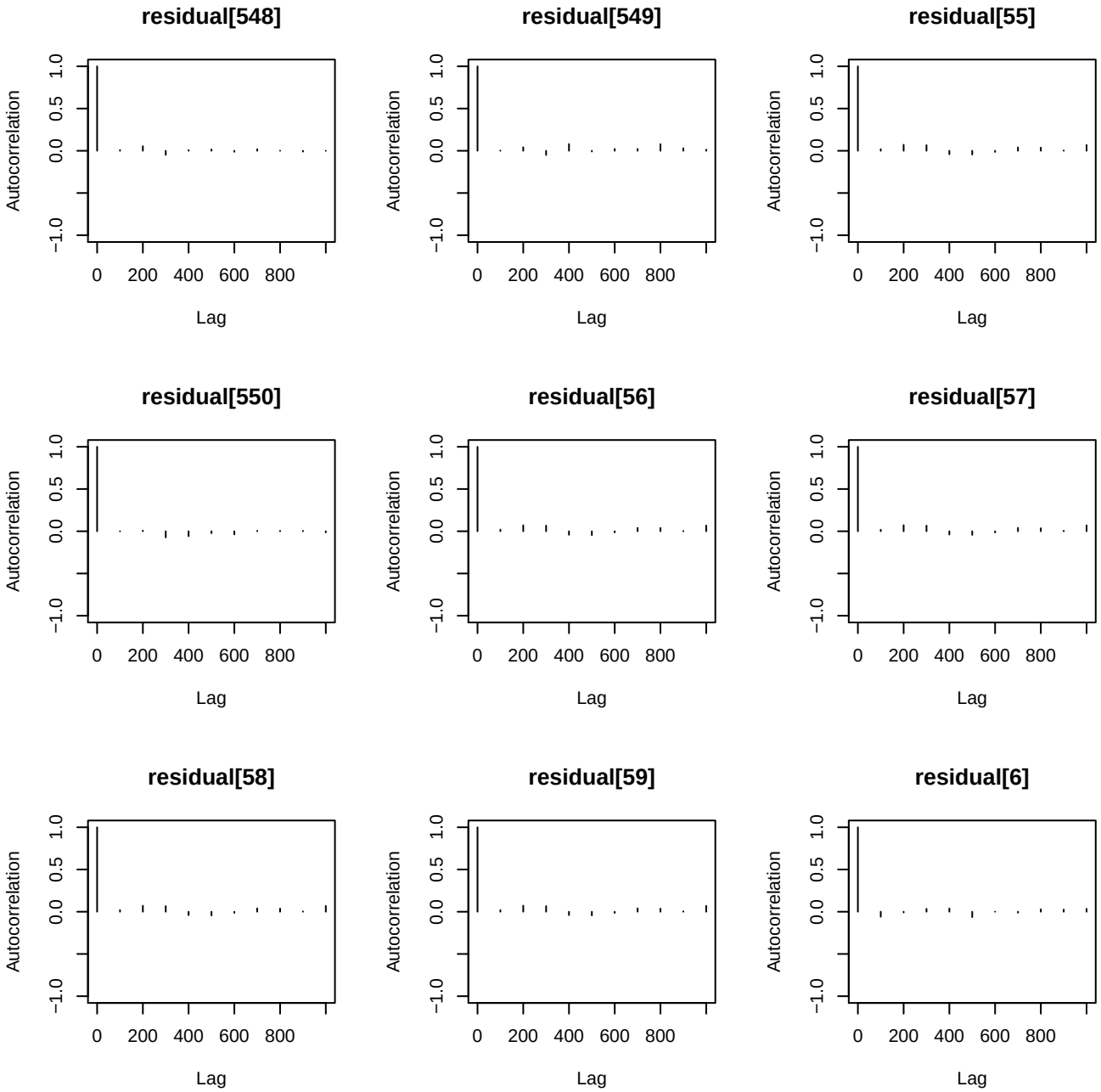

residual[507]
residual[508]
residual[509]
residual[51]
residual[510]
residual[511]
residual[512]
residual[513]
residual[514]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

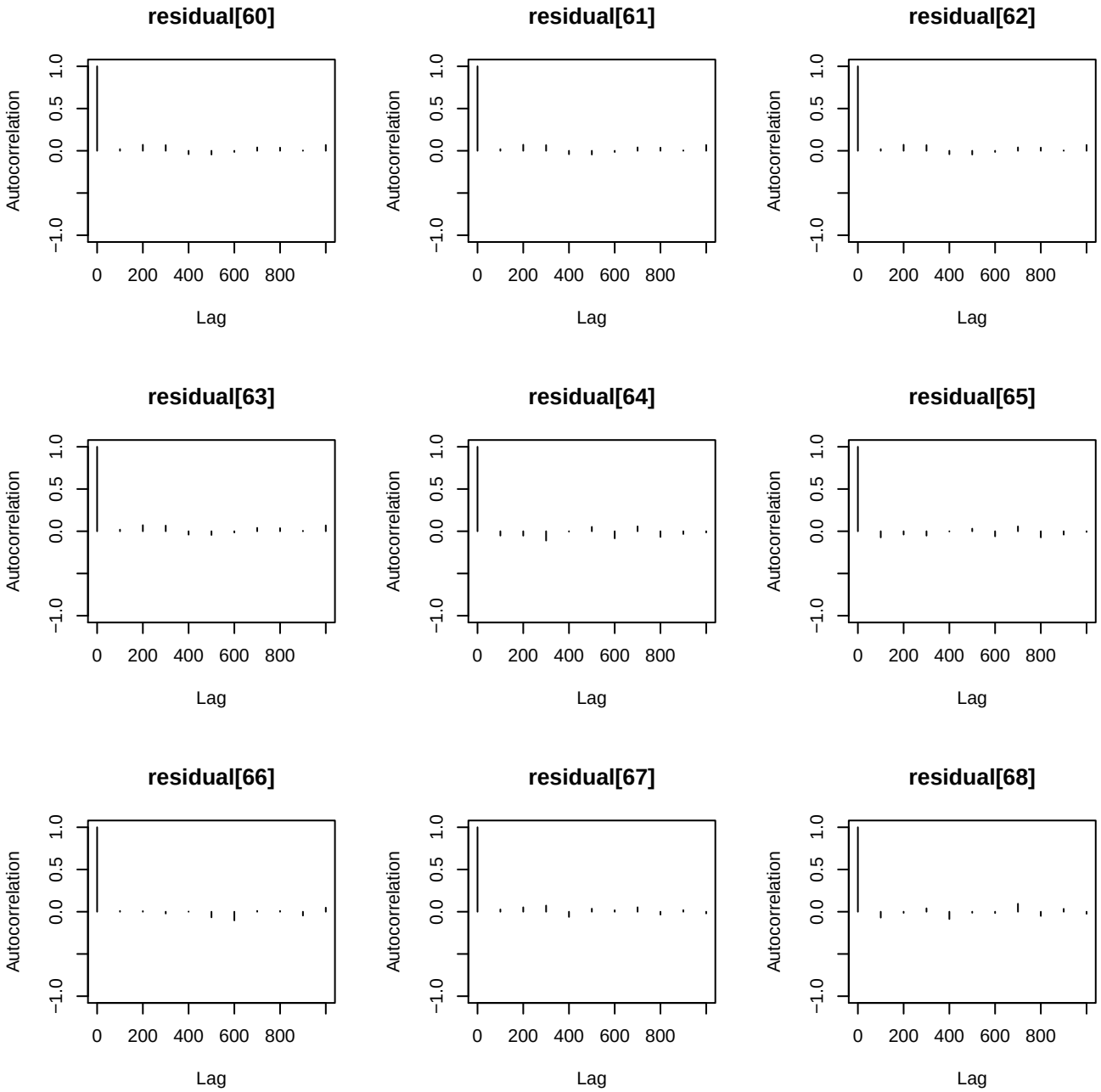

residual[515]
residual[516]
residual[517]
residual[518]
residual[519]
residual[52]
residual[520]
residual[521]
residual[522]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

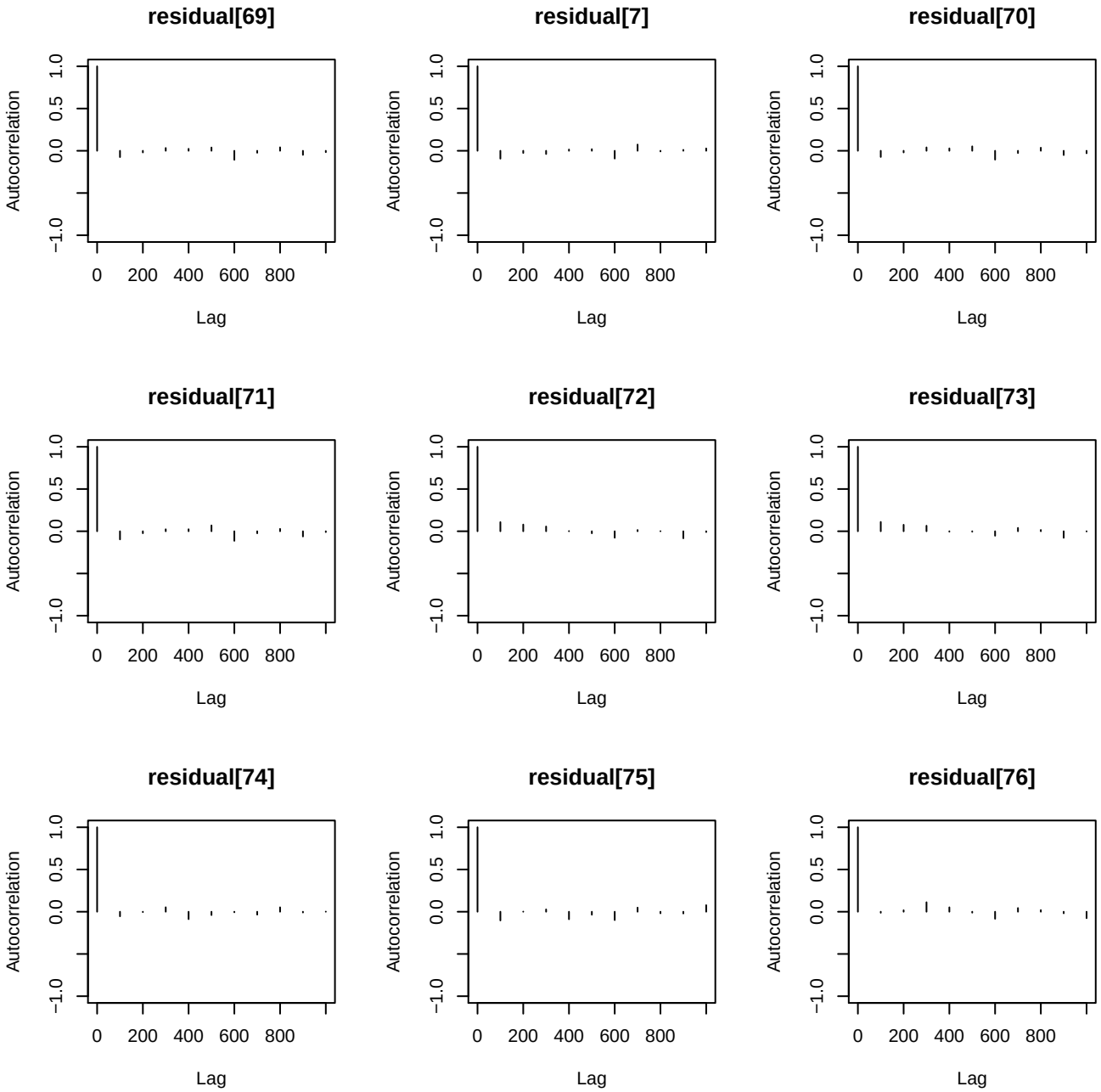

residual[523]
residual[524]
residual[525]
residual[526]
residual[527]
residual[528]
residual[529]
residual[53]
residual[530]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

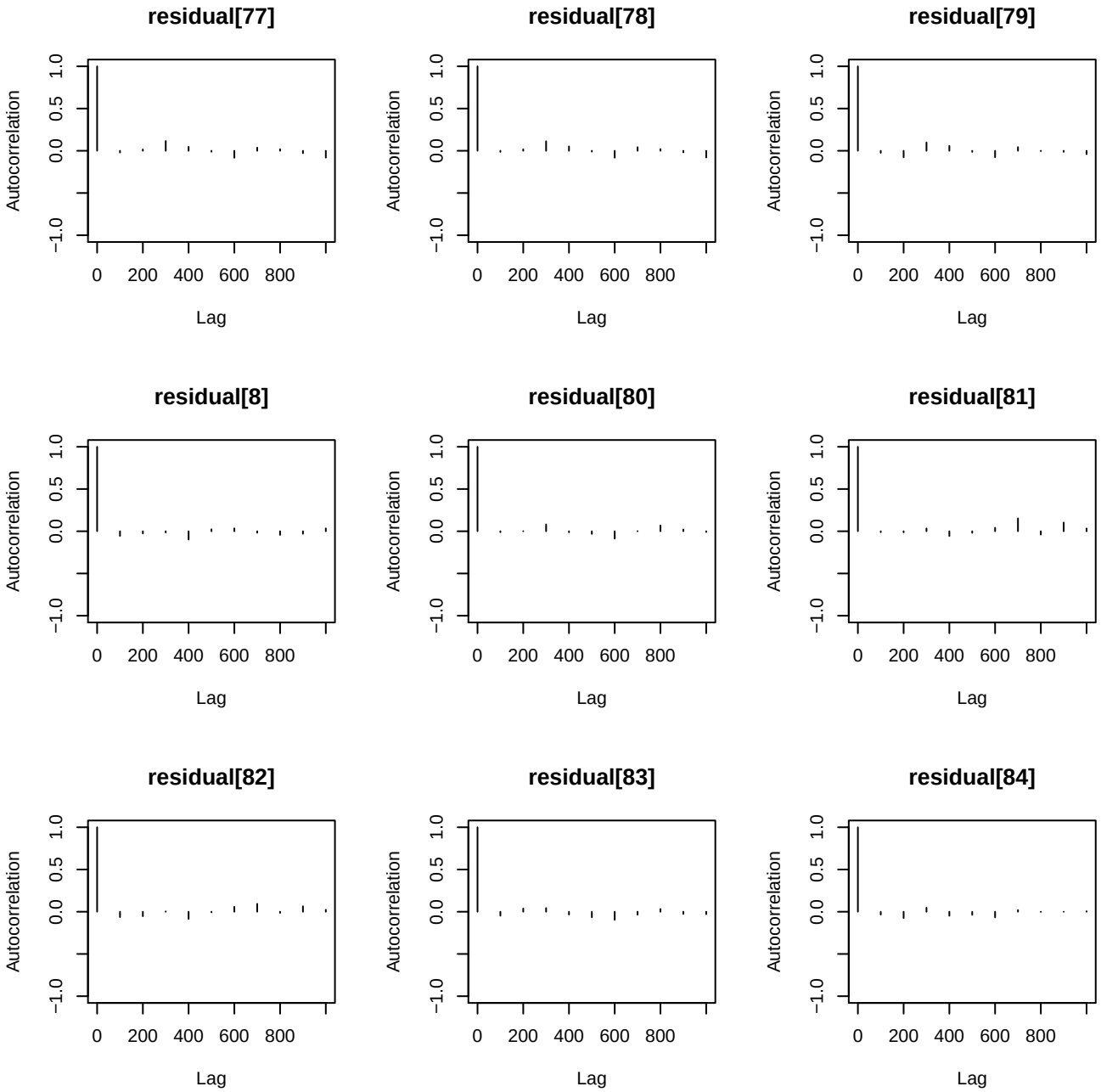

residual[531]
residual[532]
residual[533]
residual[534]
residual[535]
residual[536]
residual[537]
residual[538]
residual[539]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

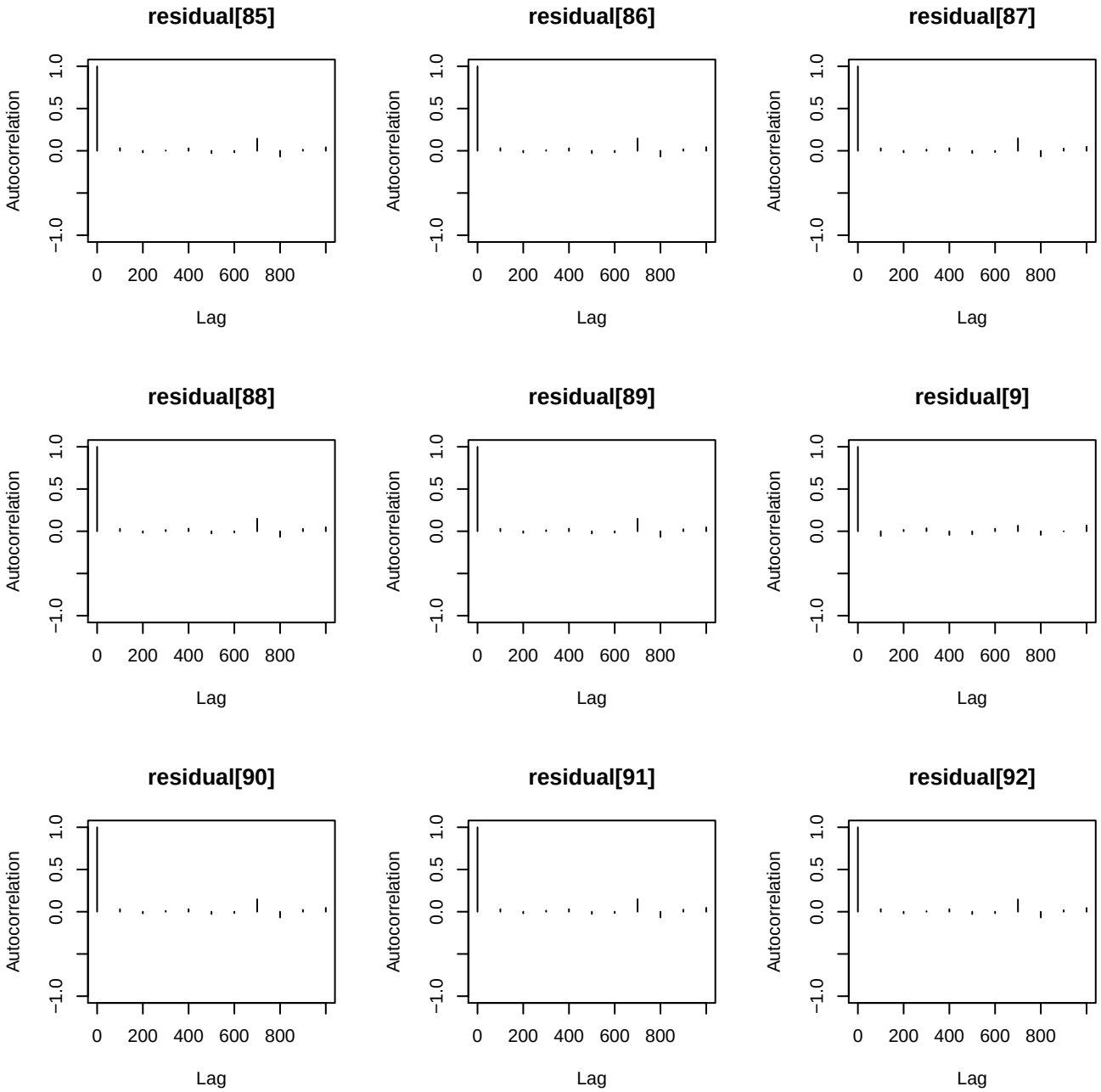

residual[54]
residual[540]
residual[541]
residual[542]
residual[543]
residual[544]
residual[545]
residual[546]
residual[547]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

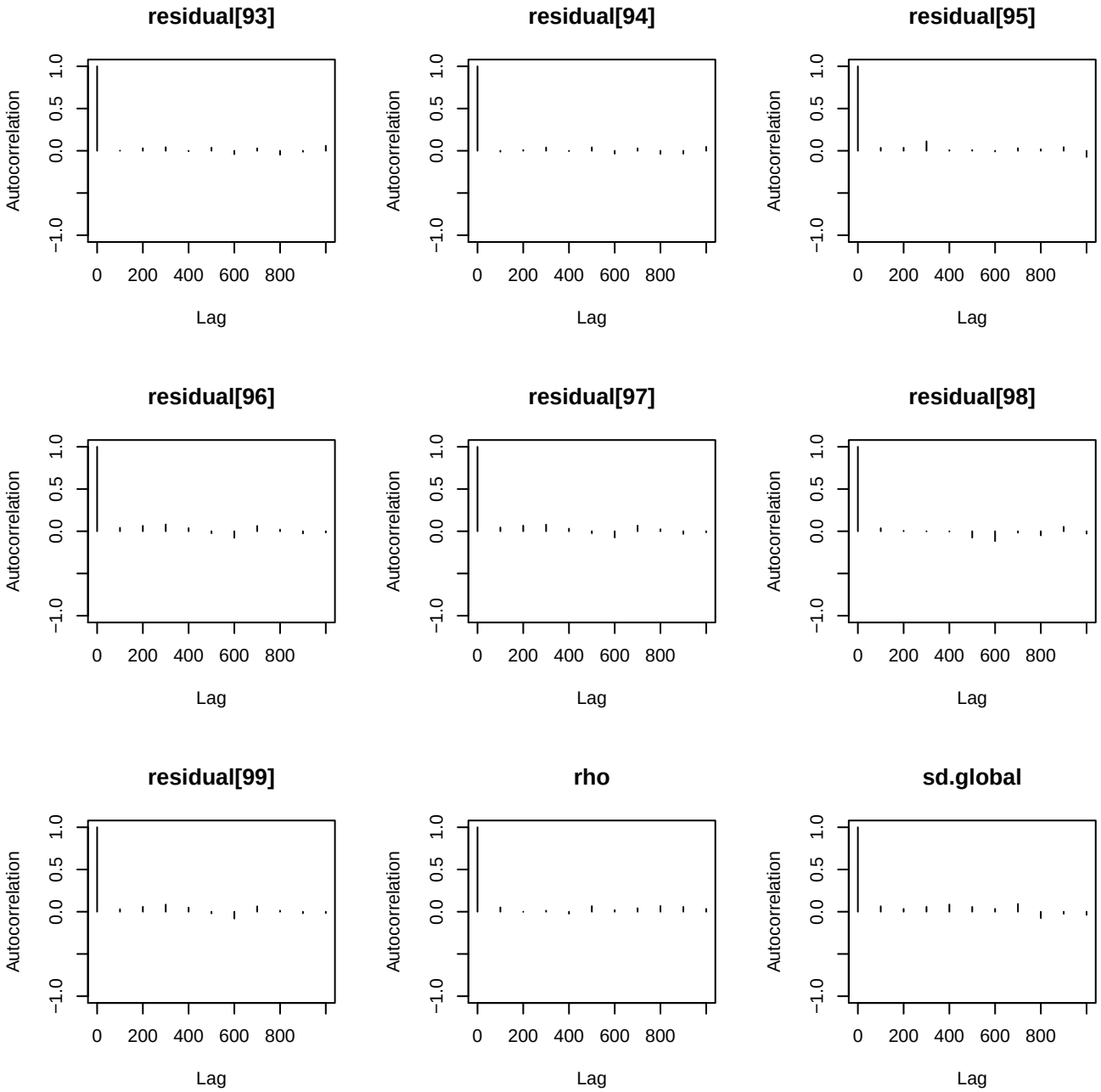

residual[548]
residual[549]
residual[55]
residual[550]
residual[56]
residual[57]
residual[58]
residual[59]
residual[6]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

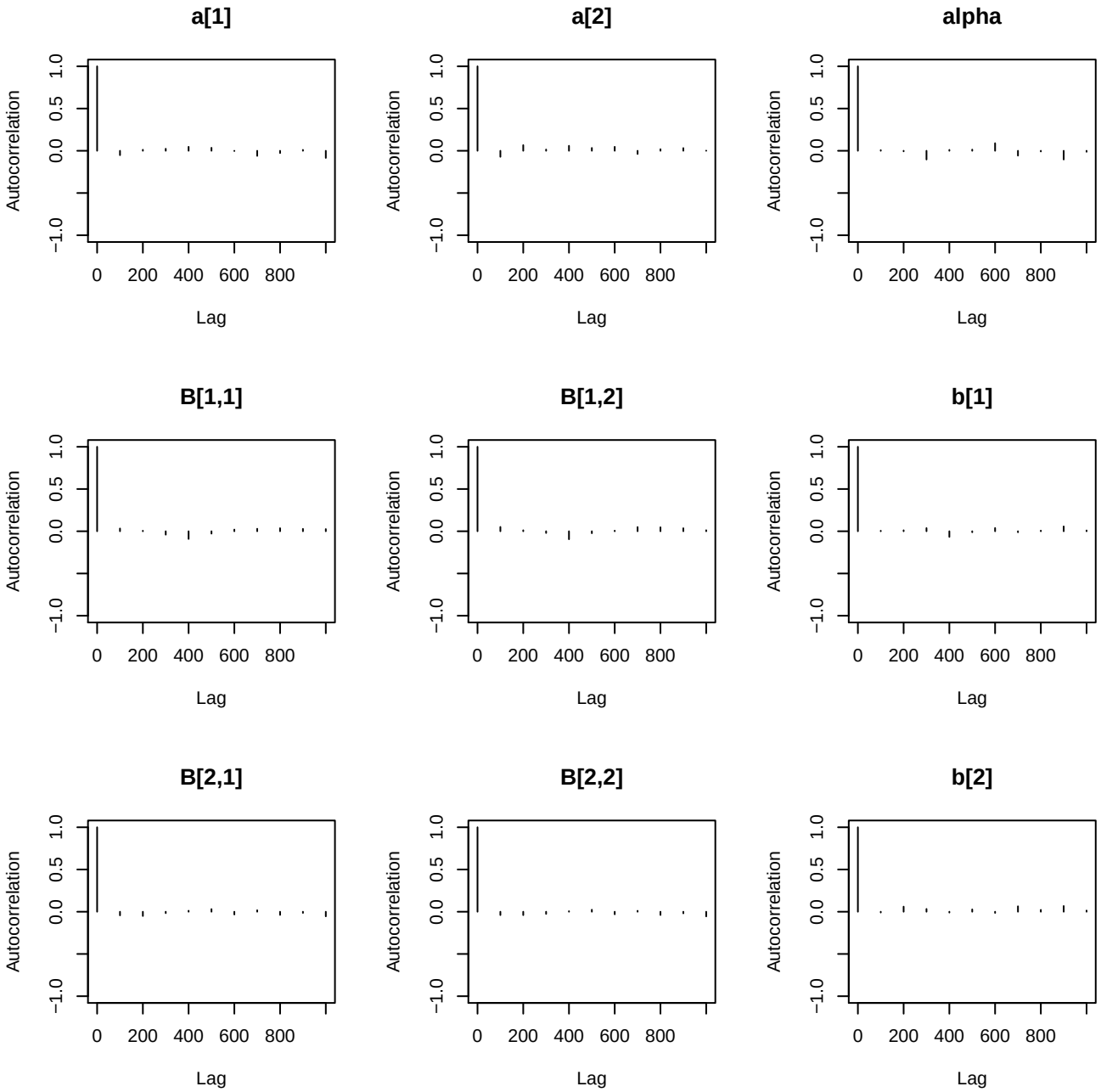

residual[60]
residual[61]
residual[62]
residual[63]
residual[64]
residual[65]
residual[66]
residual[67]
residual[68]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

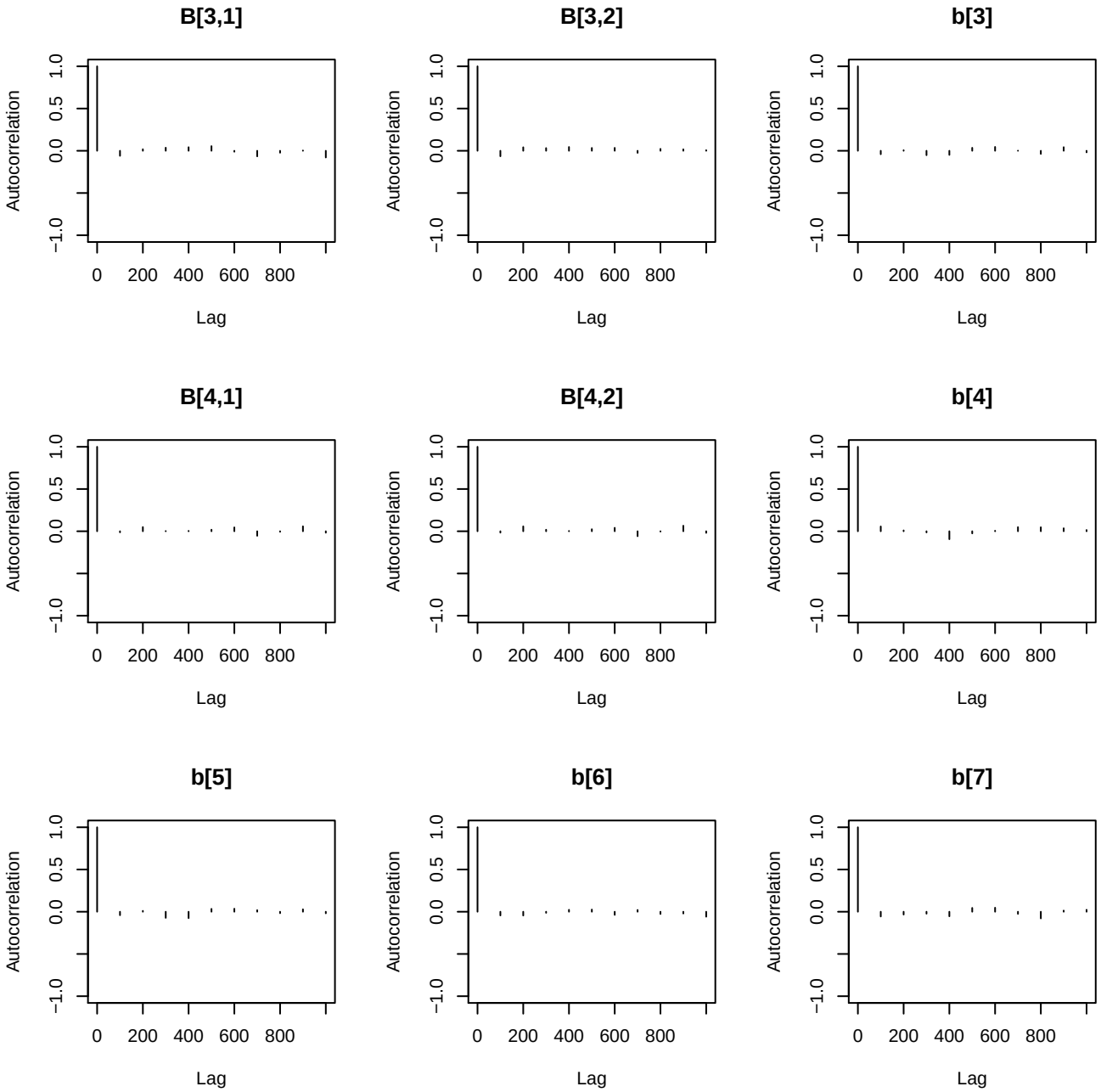

residual[69]
residual[7]
residual[70]
residual[71]
residual[72]
residual[73]
residual[74]
residual[75]
residual[76]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

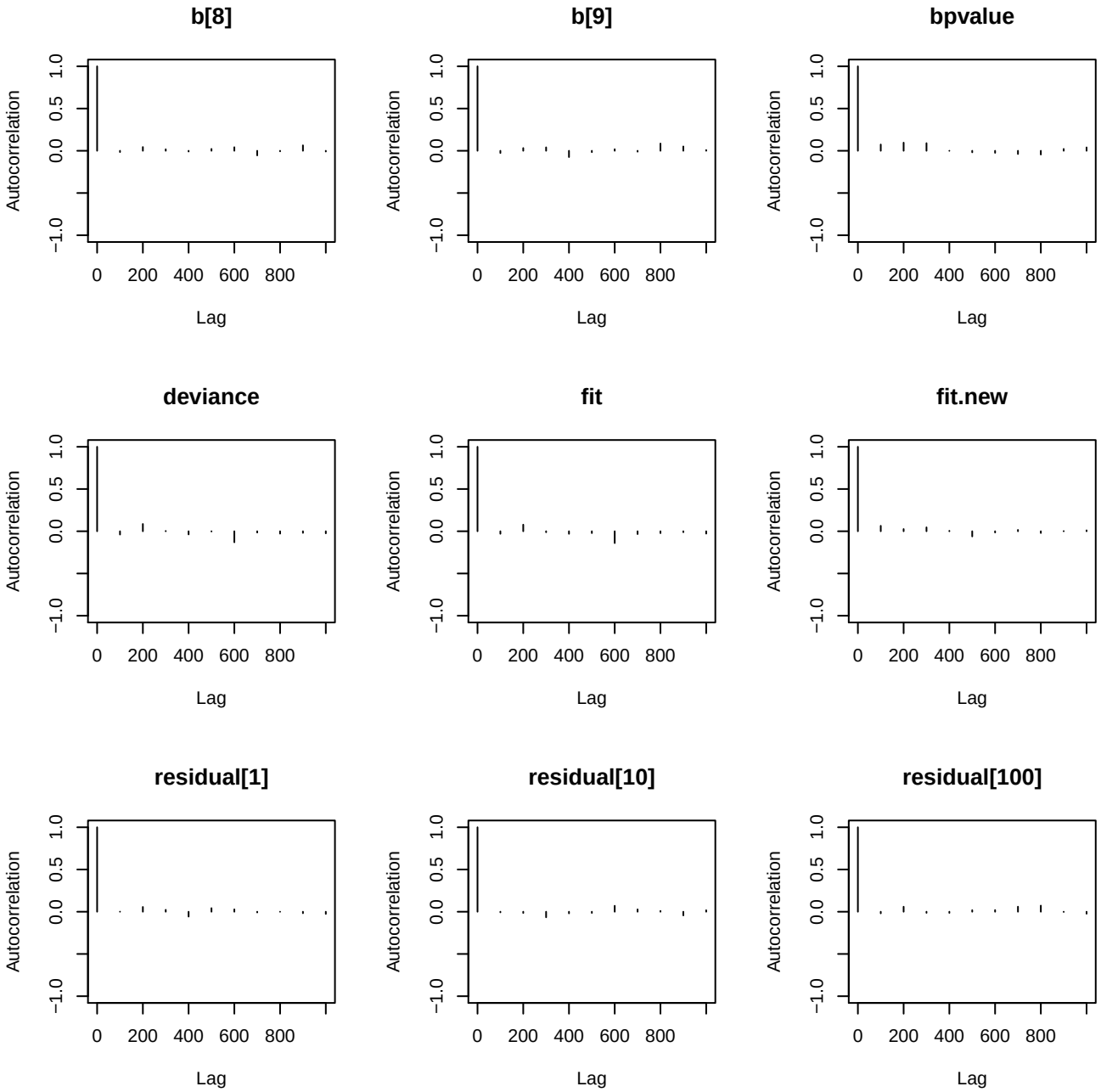

residual[77]
residual[78]
residual[79]
residual[8]
residual[80]
residual[81]
residual[82]
residual[83]
residual[84]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

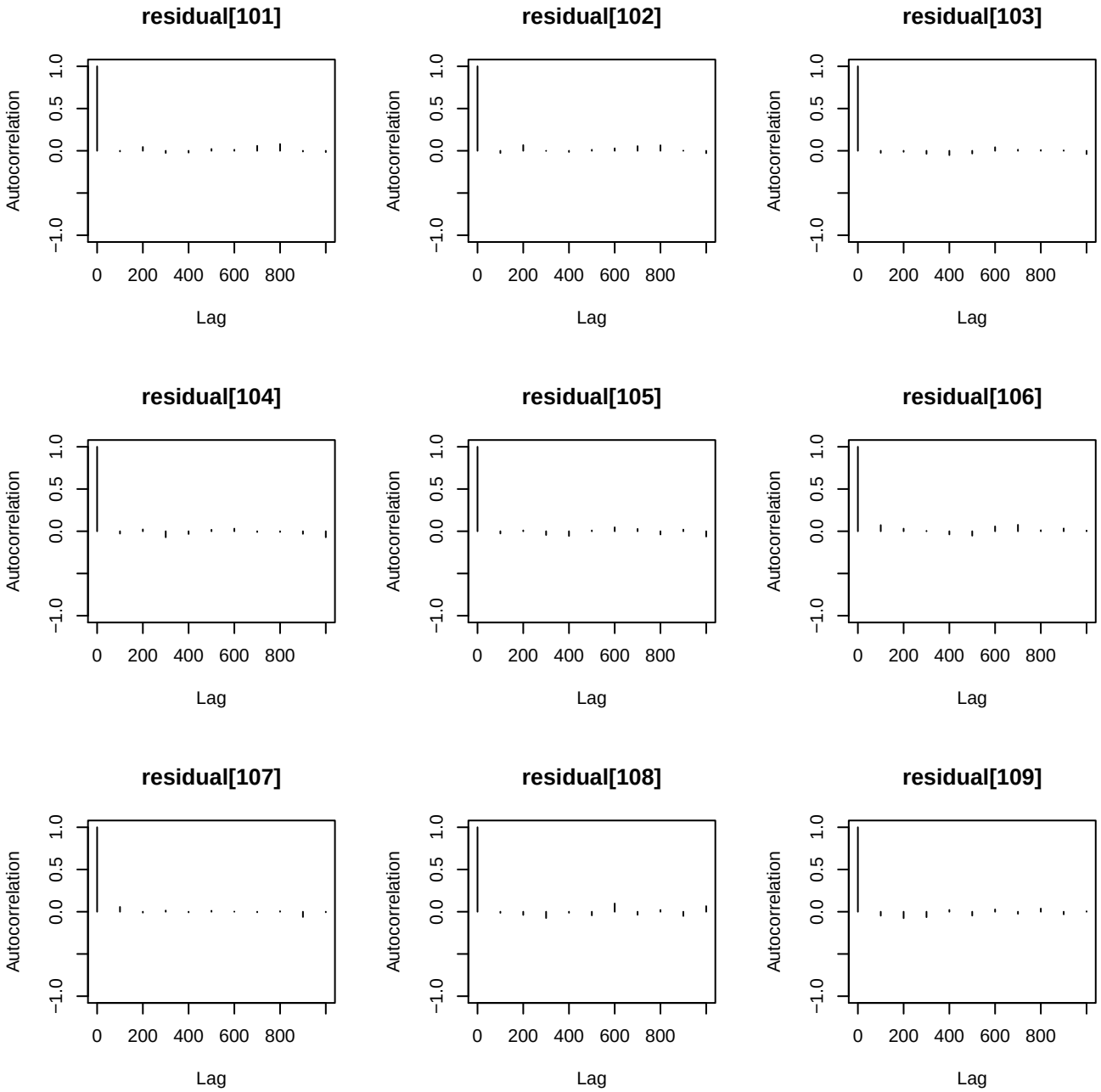

residual[85]
residual[86]
residual[87]
residual[88]
residual[89]
residual[9]
residual[90]
residual[91]
residual[92]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

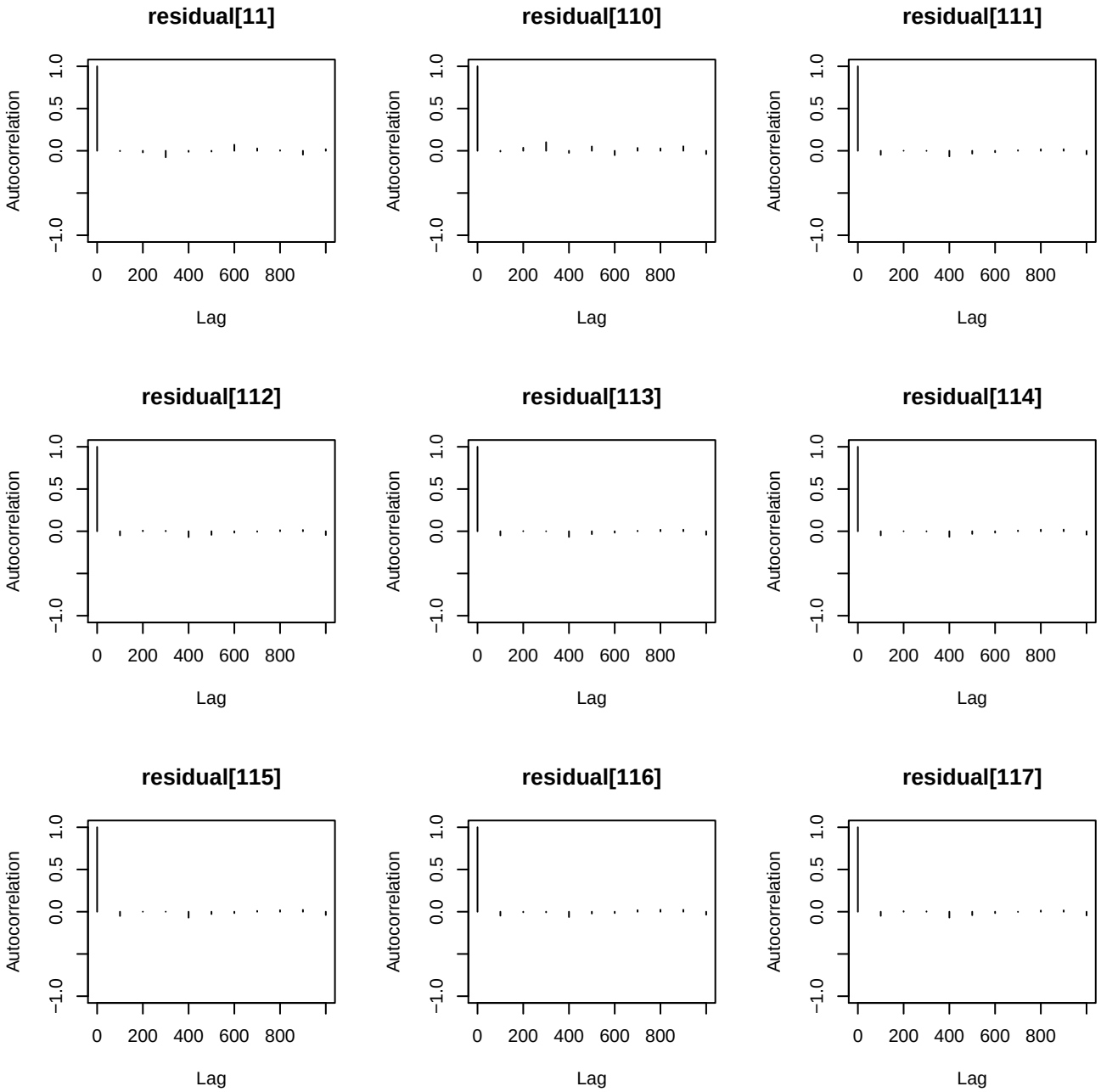

residual[93]
residual[94]
residual[95]
residual[96]
residual[97]
residual[98]
residual[99]
rho
sd.global
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

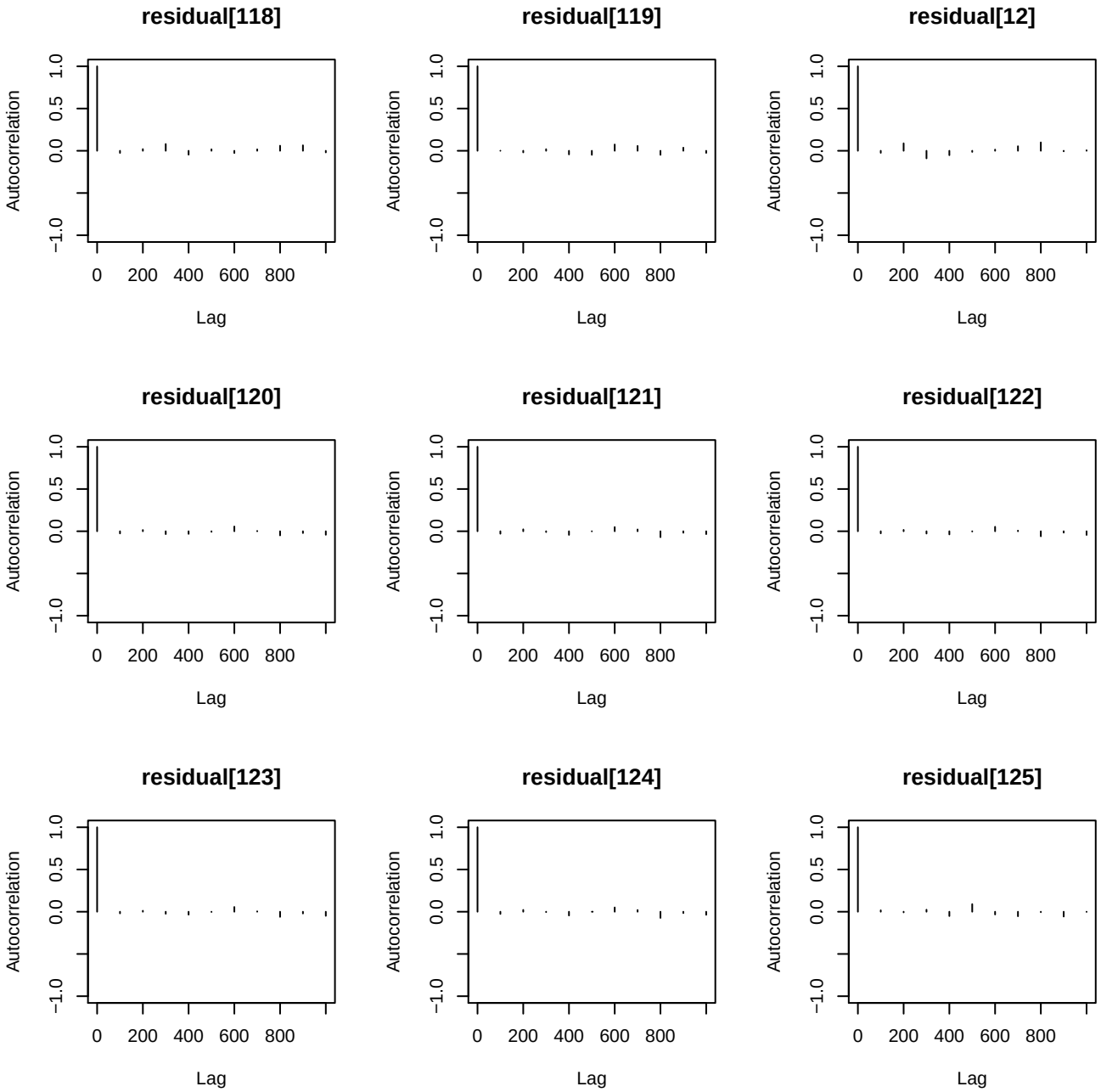

a[1]
a[2]
alpha
B[1,1]
B[1,2]
b[1]
B[2,1]
B[2,2]
b[2]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

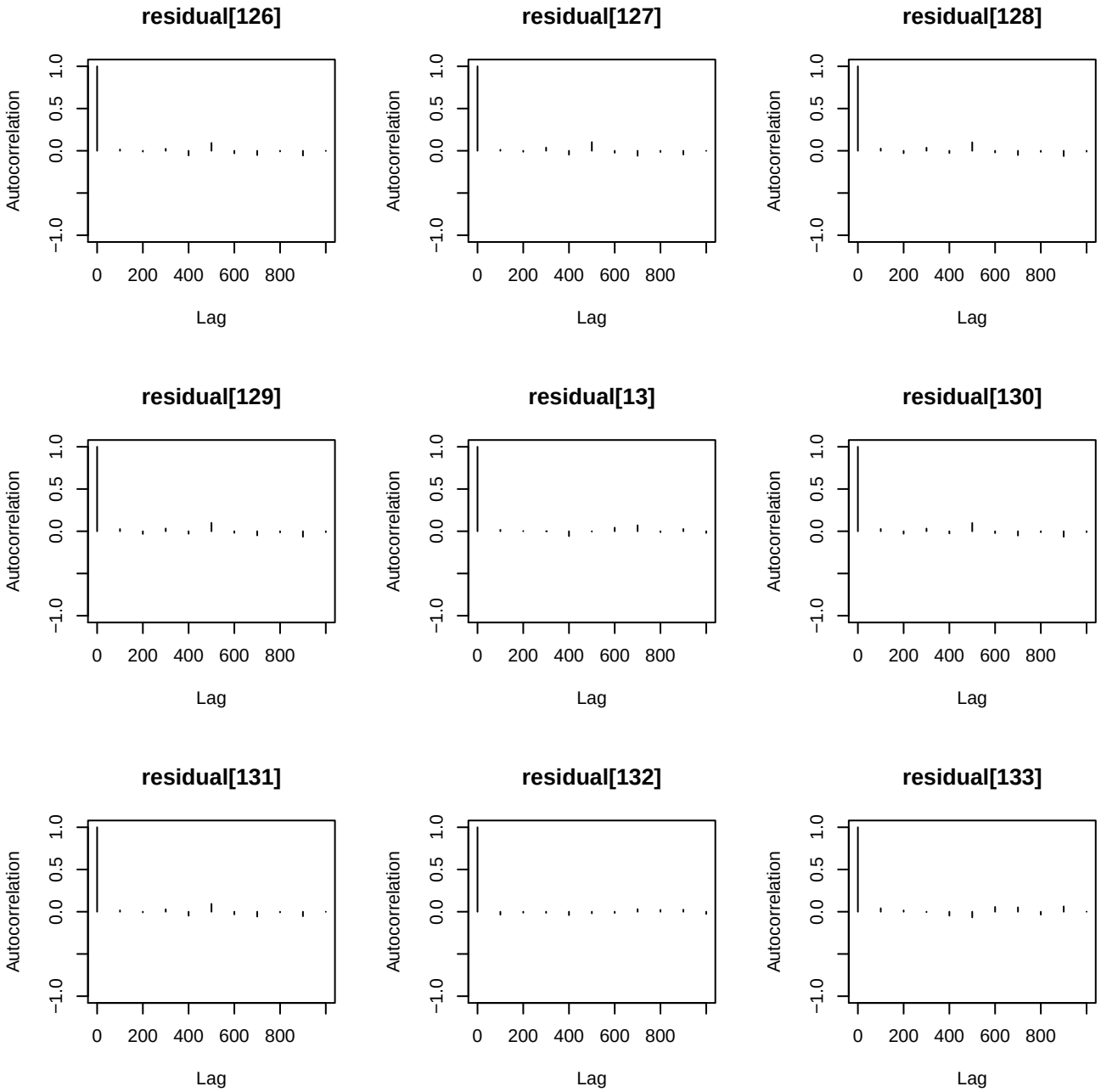

B[3,1]
B[3,2]
b[3]
B[4,1]
B[4,2]
b[4]
b[5]
b[6]
b[7]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

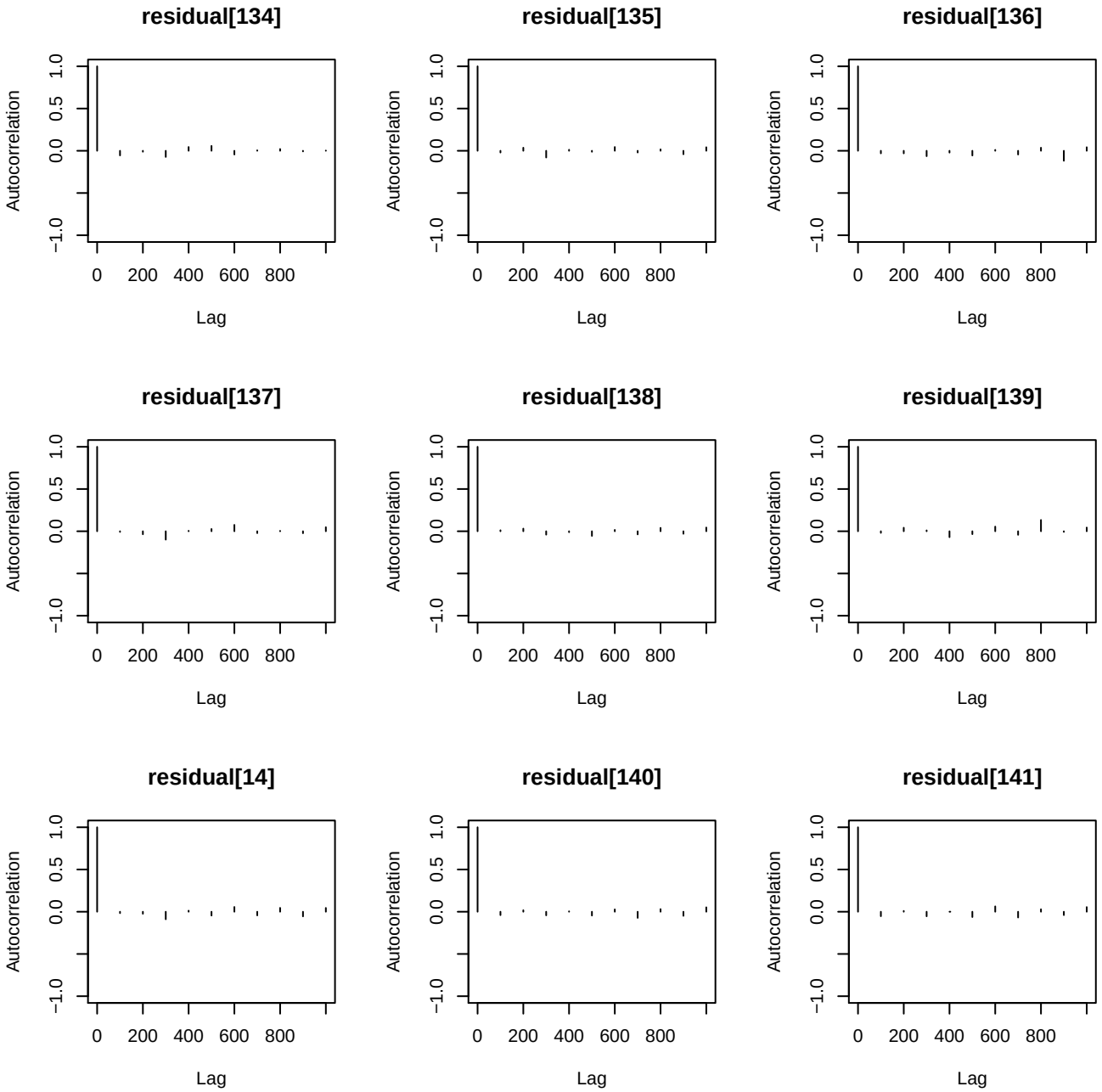

b[8]
b[9]
bpvalue
deviance
fit
fit.new
residual[1]
residual[10]
residual[100]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

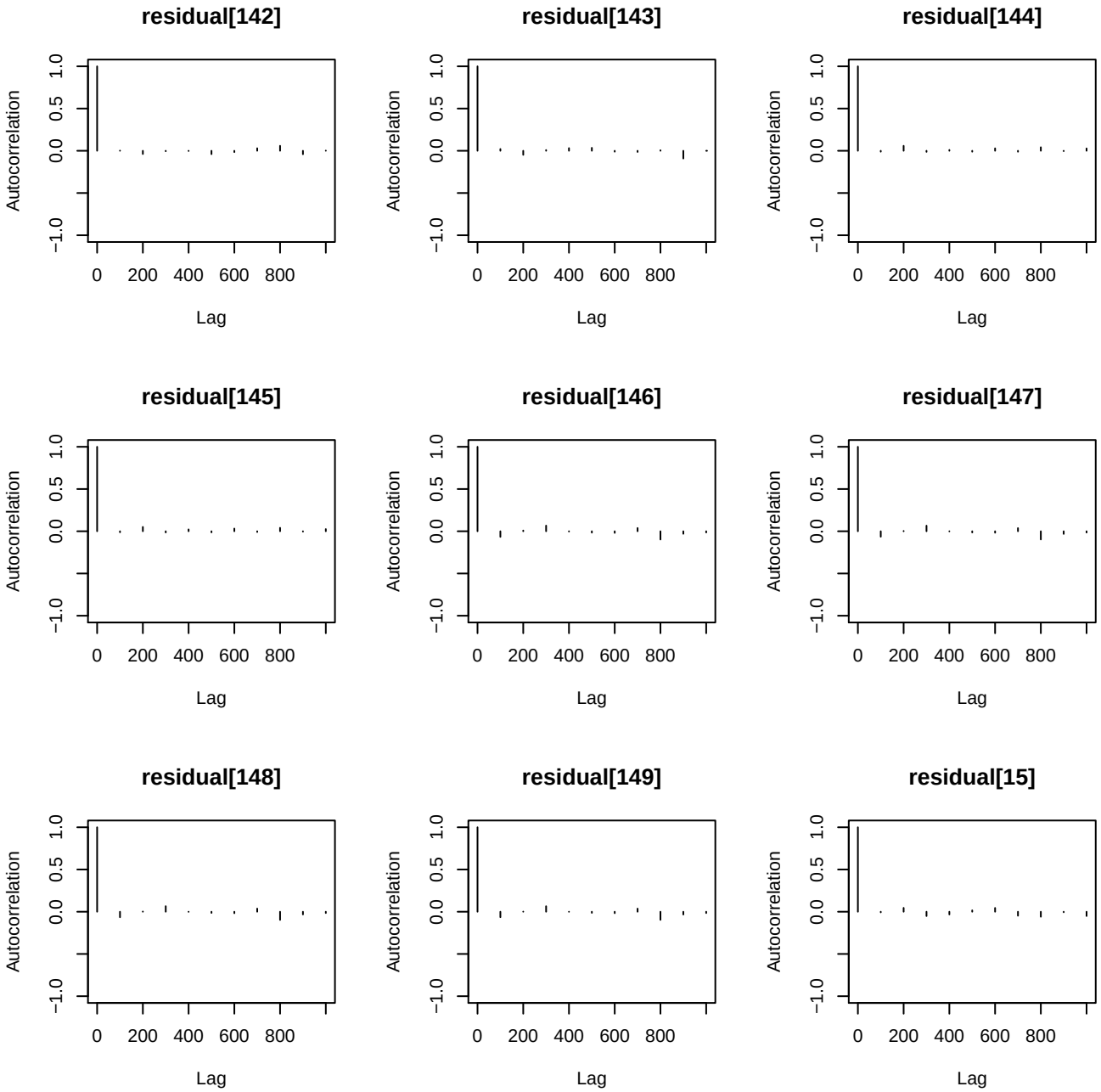

residual[101]
residual[102]
residual[103]
residual[104]
residual[105]
residual[106]
residual[107]
residual[108]
residual[109]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

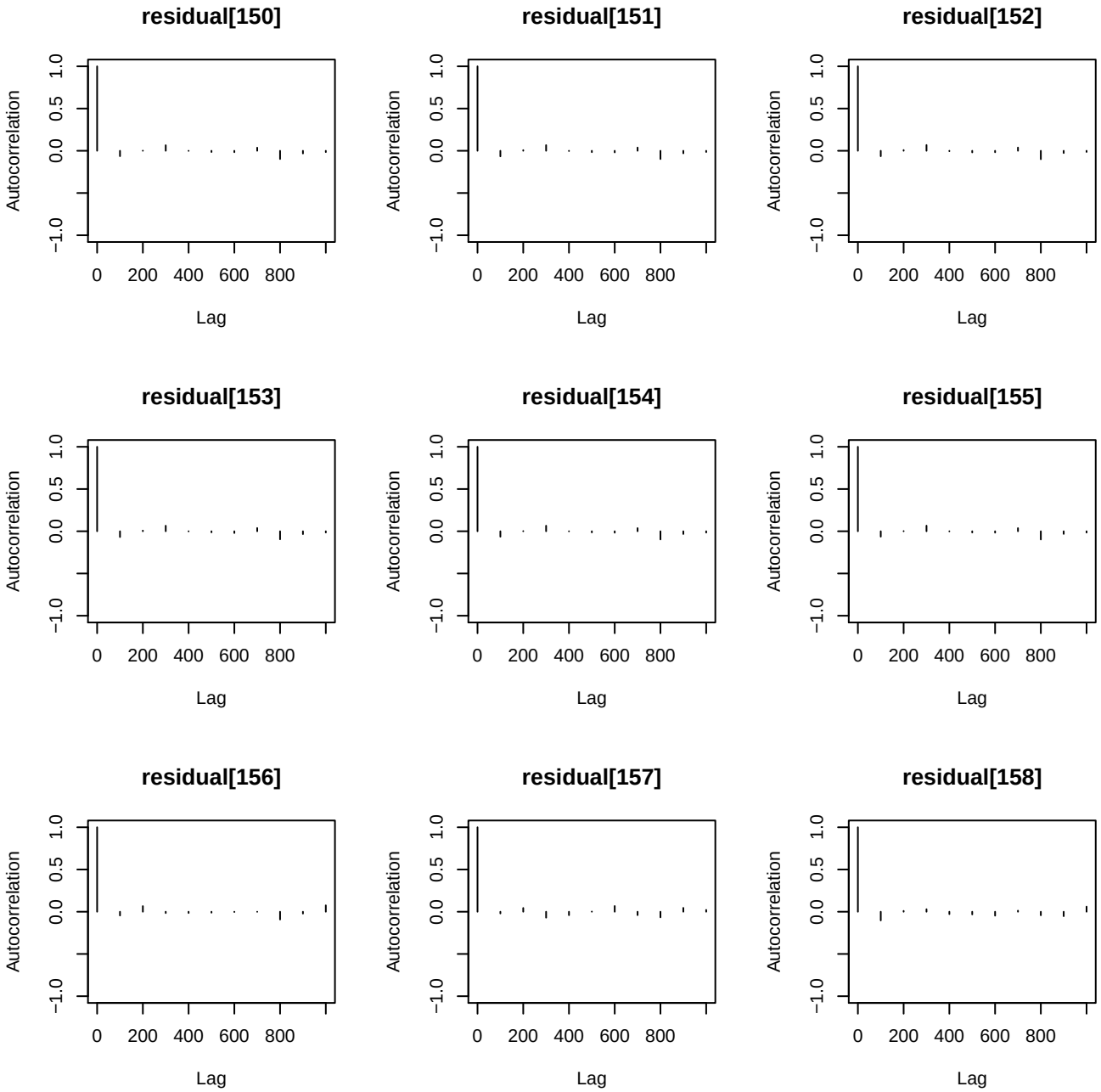

residual[11]
residual[110]
residual[111]
residual[112]
residual[113]
residual[114]
residual[115]
residual[116]
residual[117]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

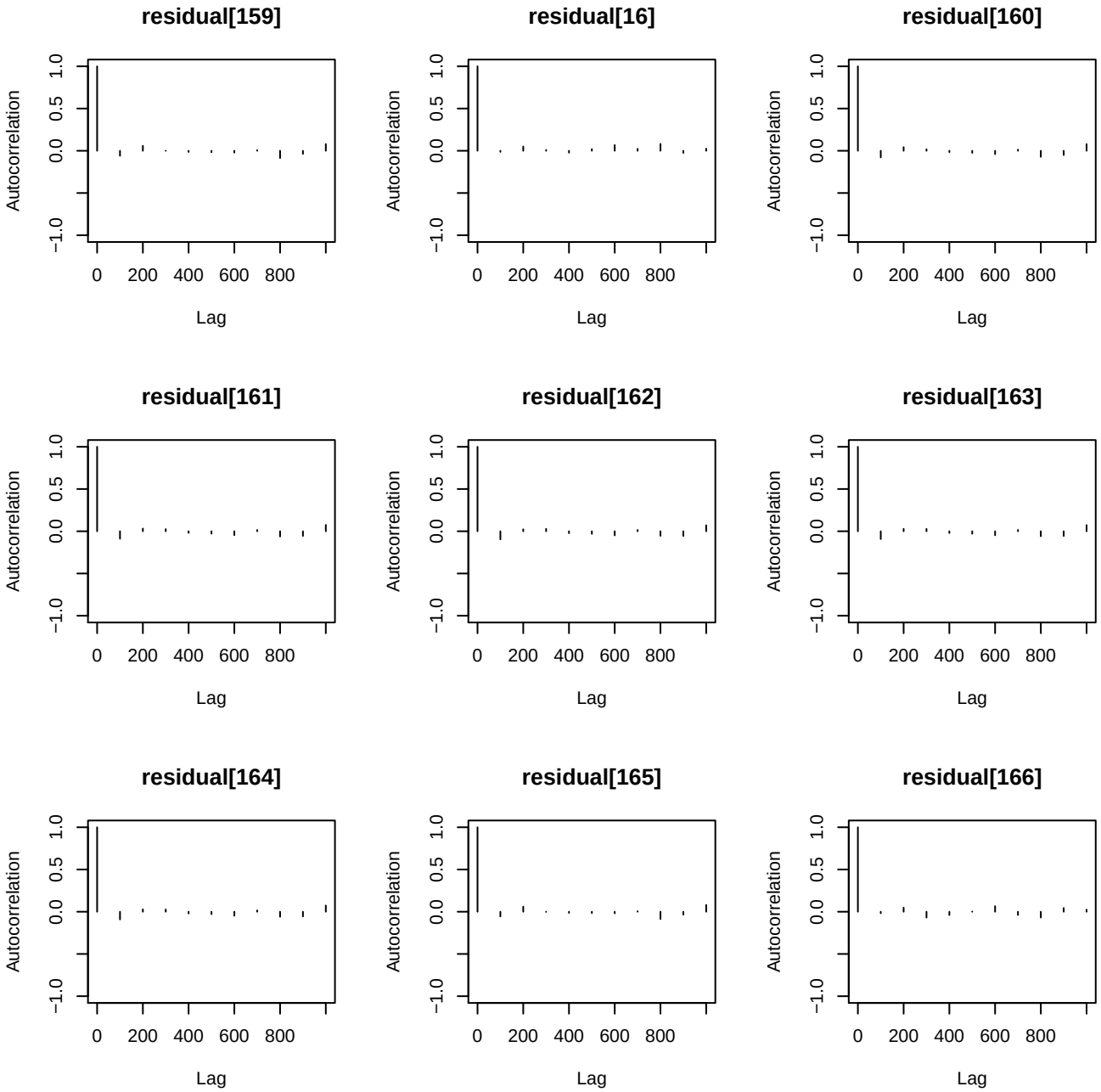

residual[118]
residual[119]
residual[12]
residual[120]
residual[121]
residual[122]
residual[123]
residual[124]
residual[125]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

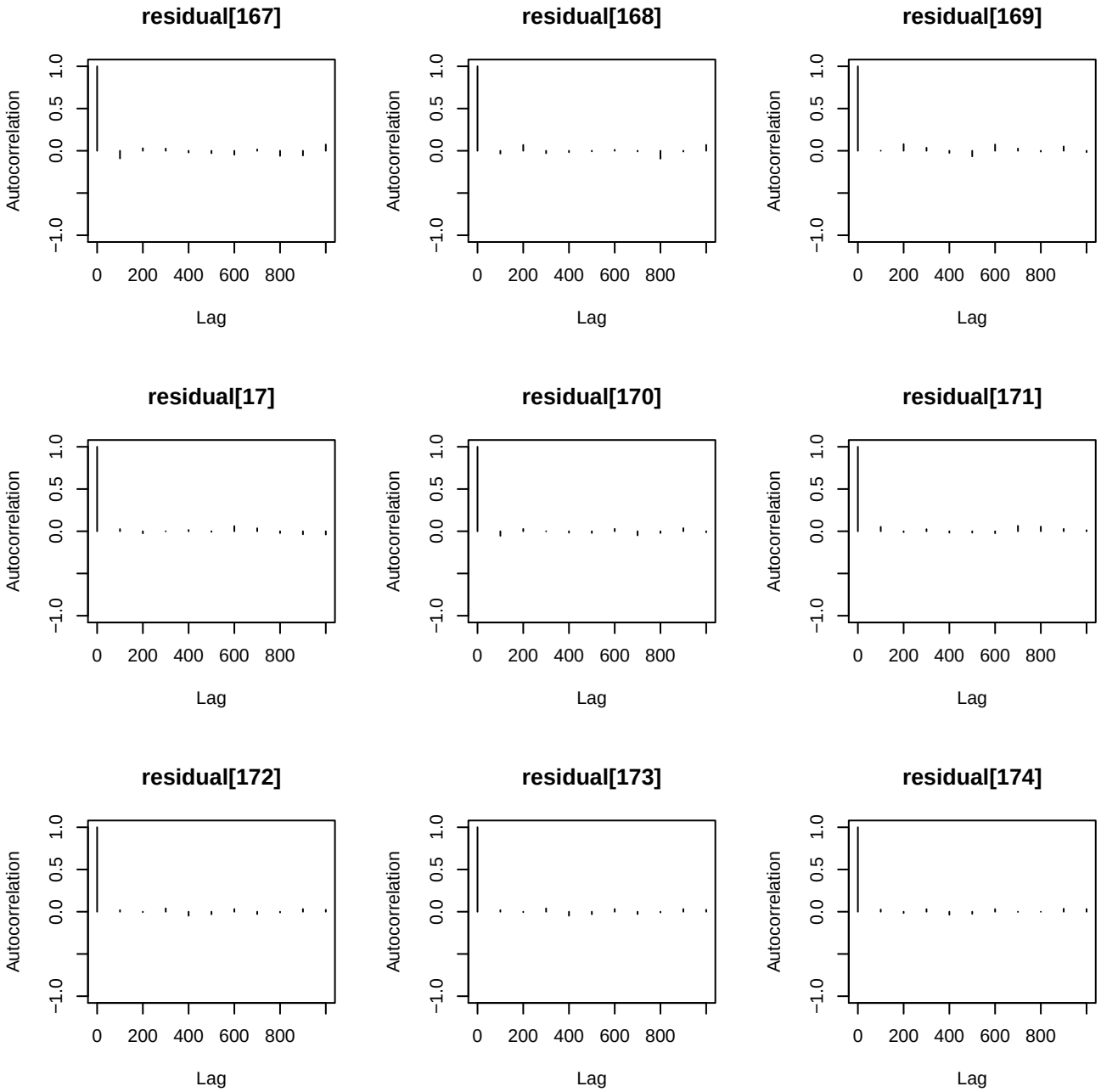

residual[126]
residual[127]
residual[128]
residual[129]
residual[13]
residual[130]
residual[131]
residual[132]
residual[133]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

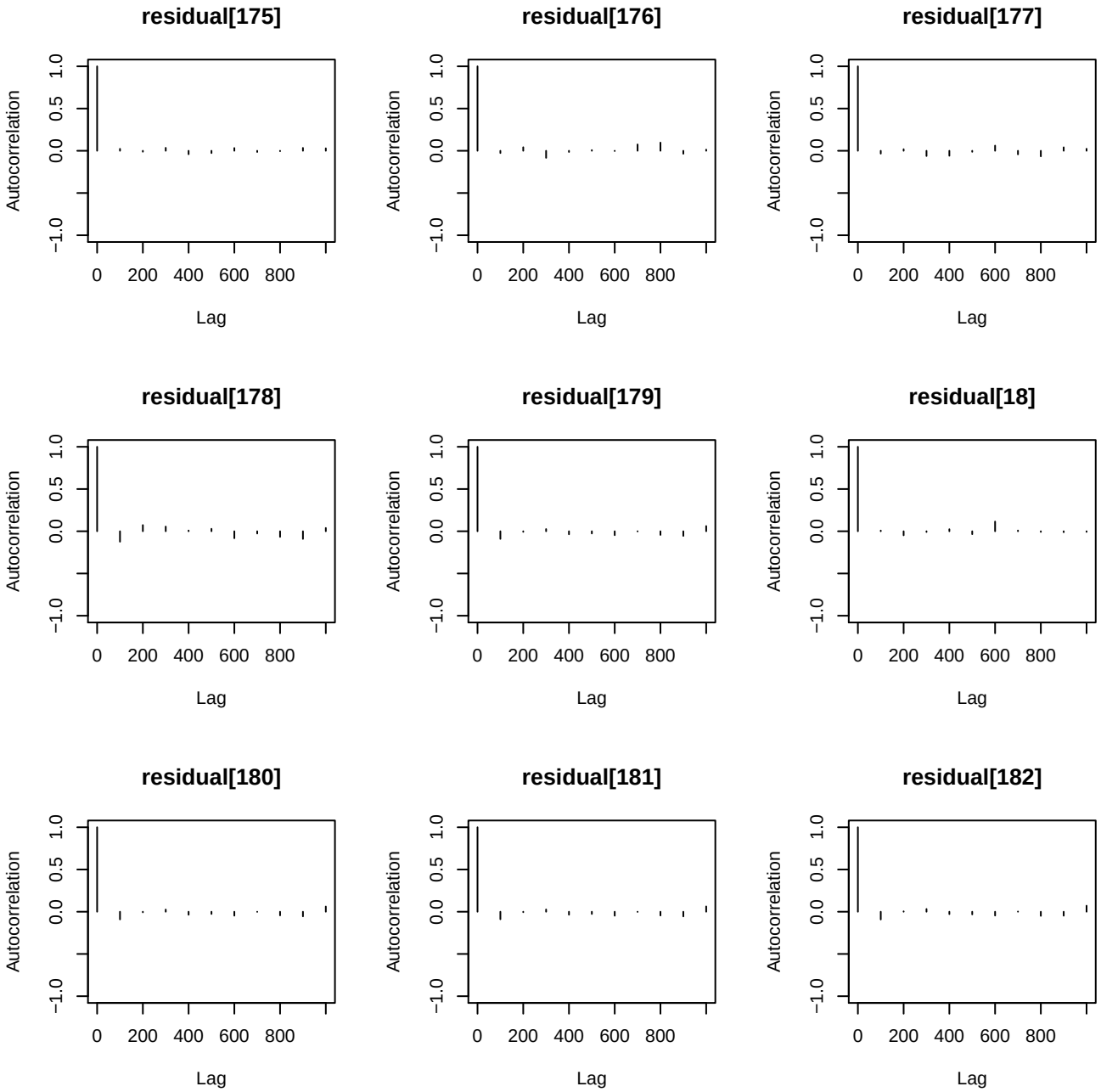

residual[134]
residual[135]
residual[136]
residual[137]
residual[138]
residual[139]
residual[14]
residual[140]
residual[141]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

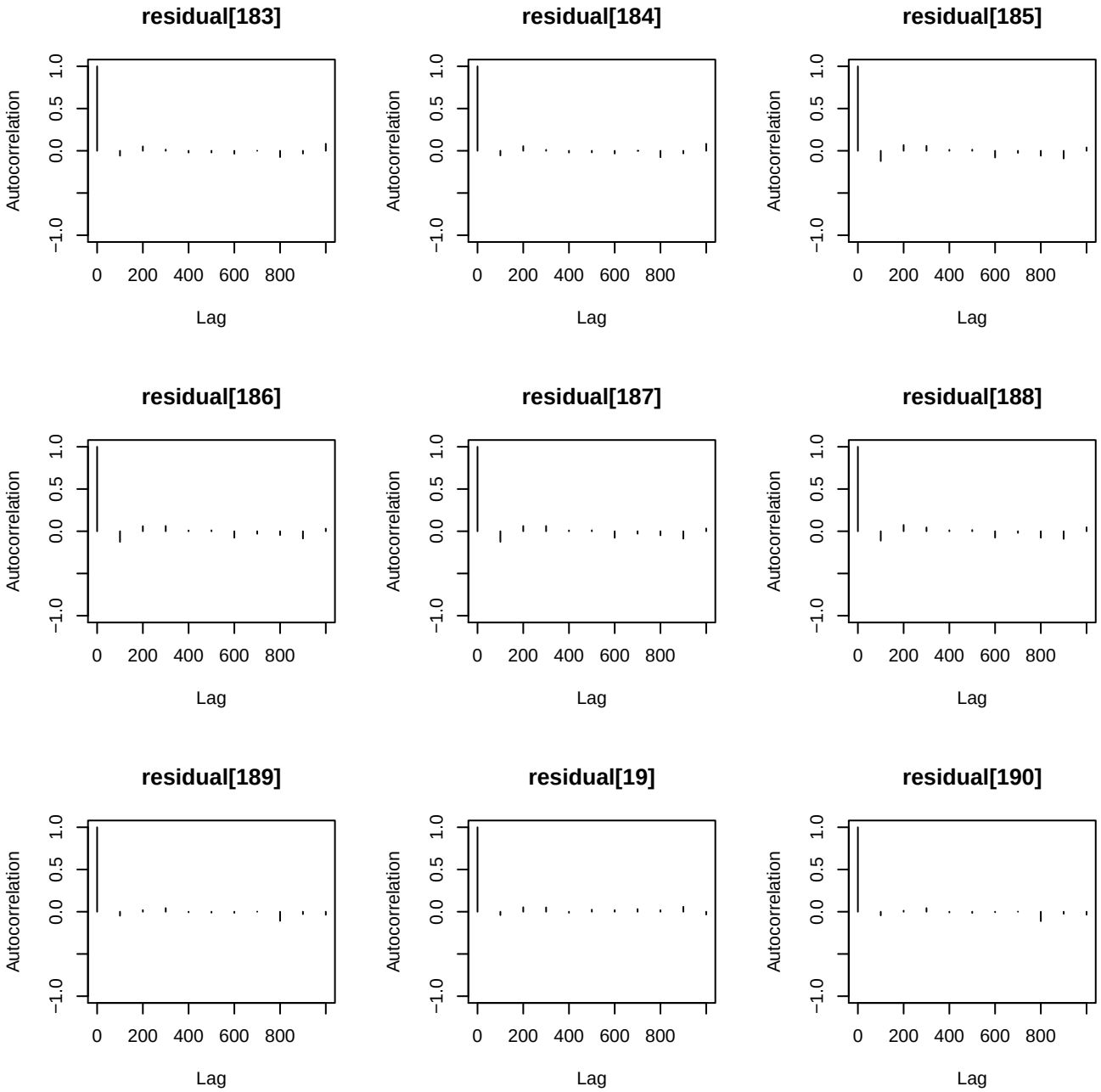

residual[142]
residual[143]
residual[144]
residual[145]
residual[146]
residual[147]
residual[148]
residual[149]
residual[15]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

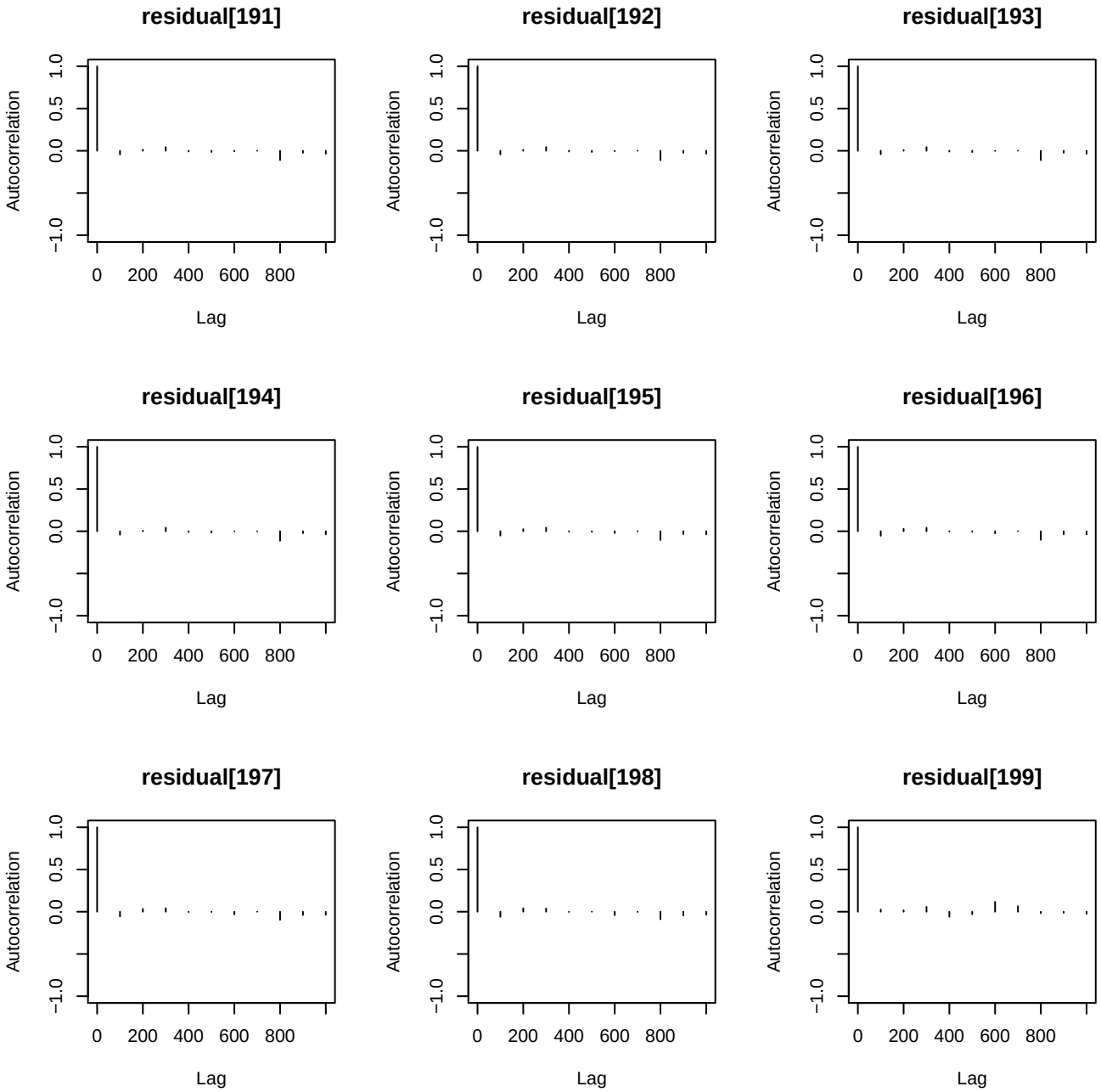

residual[150]
residual[151]
residual[152]
residual[153]
residual[154]
residual[155]
residual[156]
residual[157]
residual[158]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

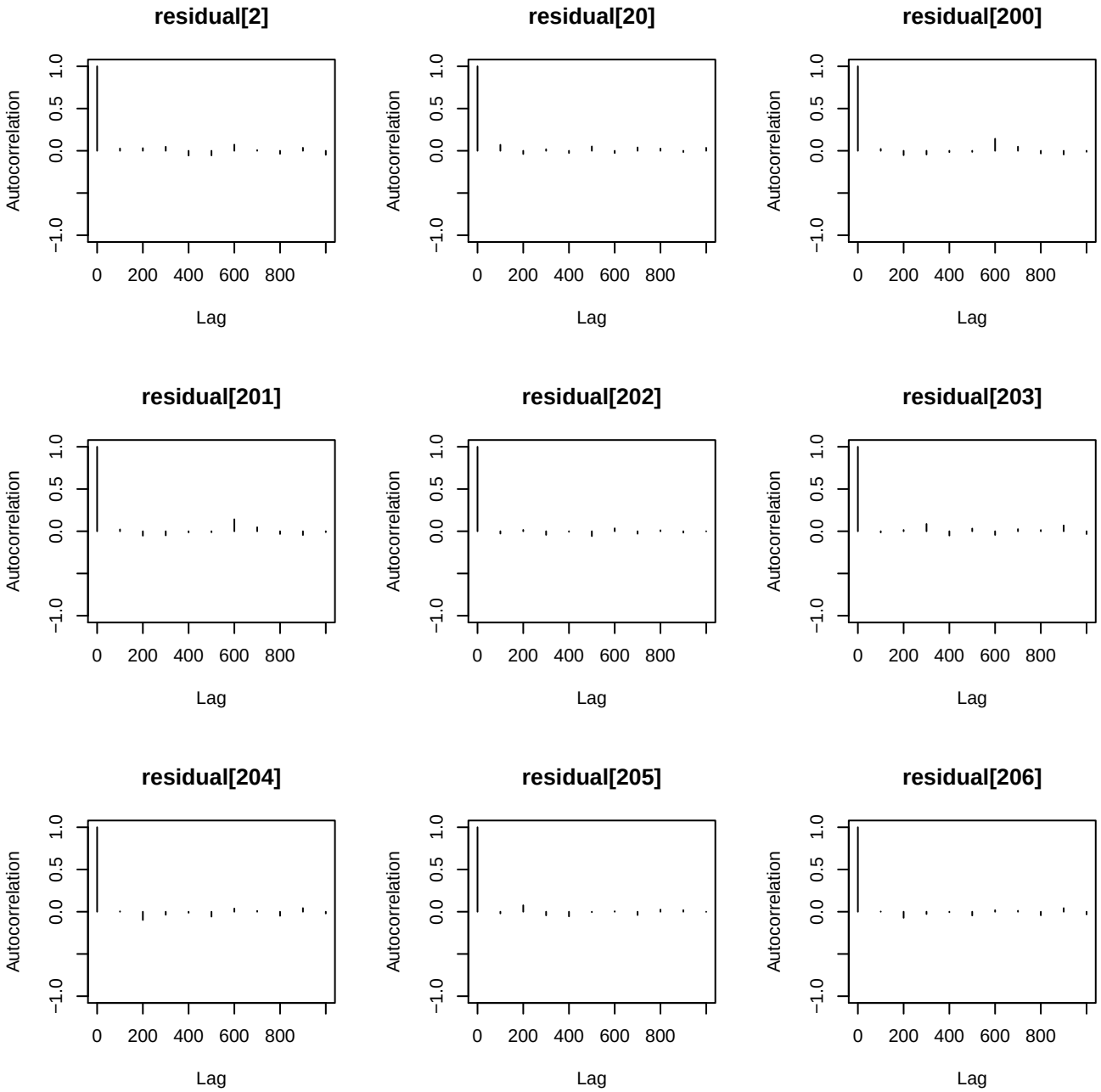

residual[159]
residual[16]
residual[160]
residual[161]
residual[162]
residual[163]
residual[164]
residual[165]
residual[166]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

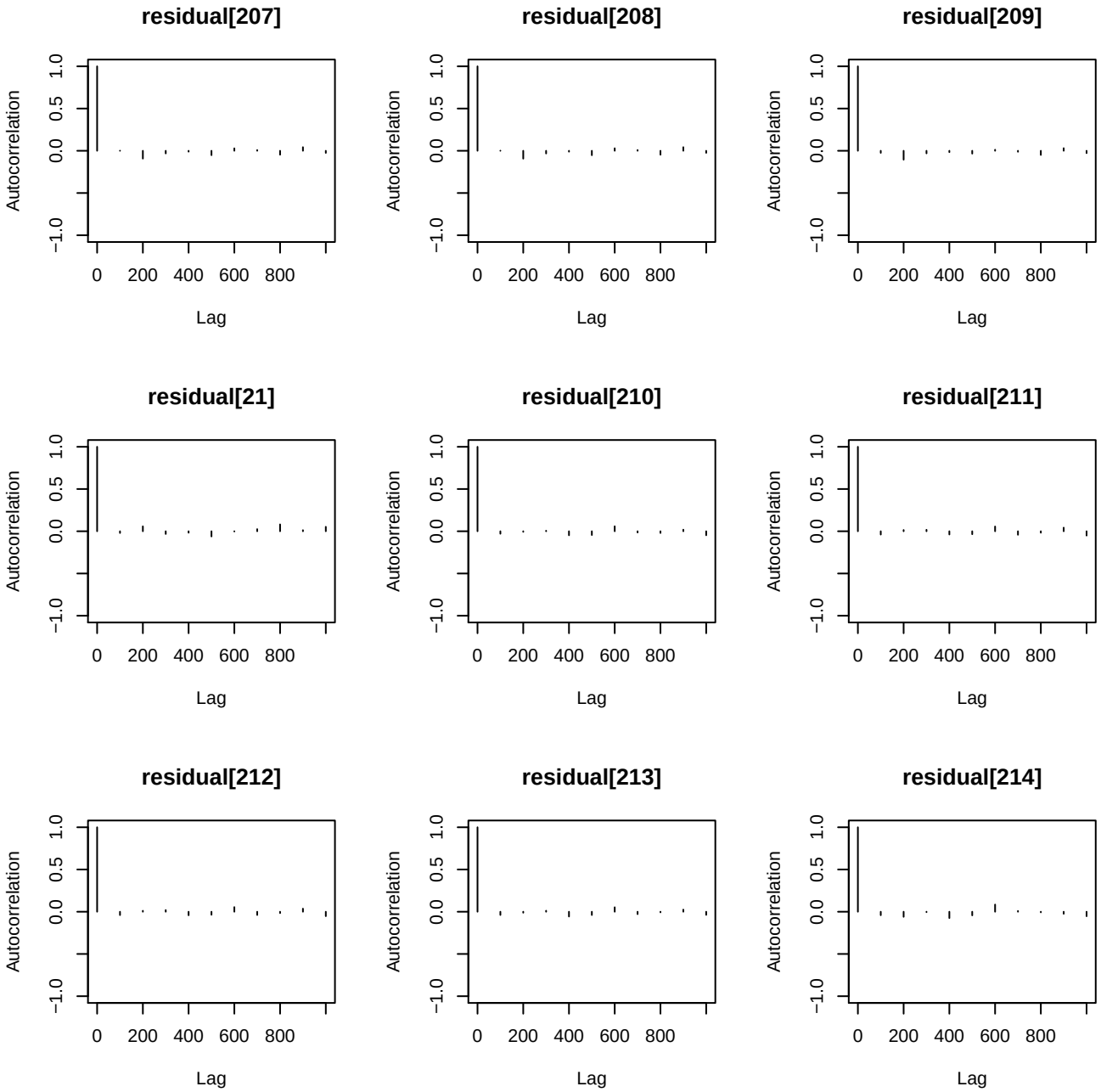

residual[167]
residual[168]
residual[169]
residual[17]
residual[170]
residual[171]
residual[172]
residual[173]
residual[174]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

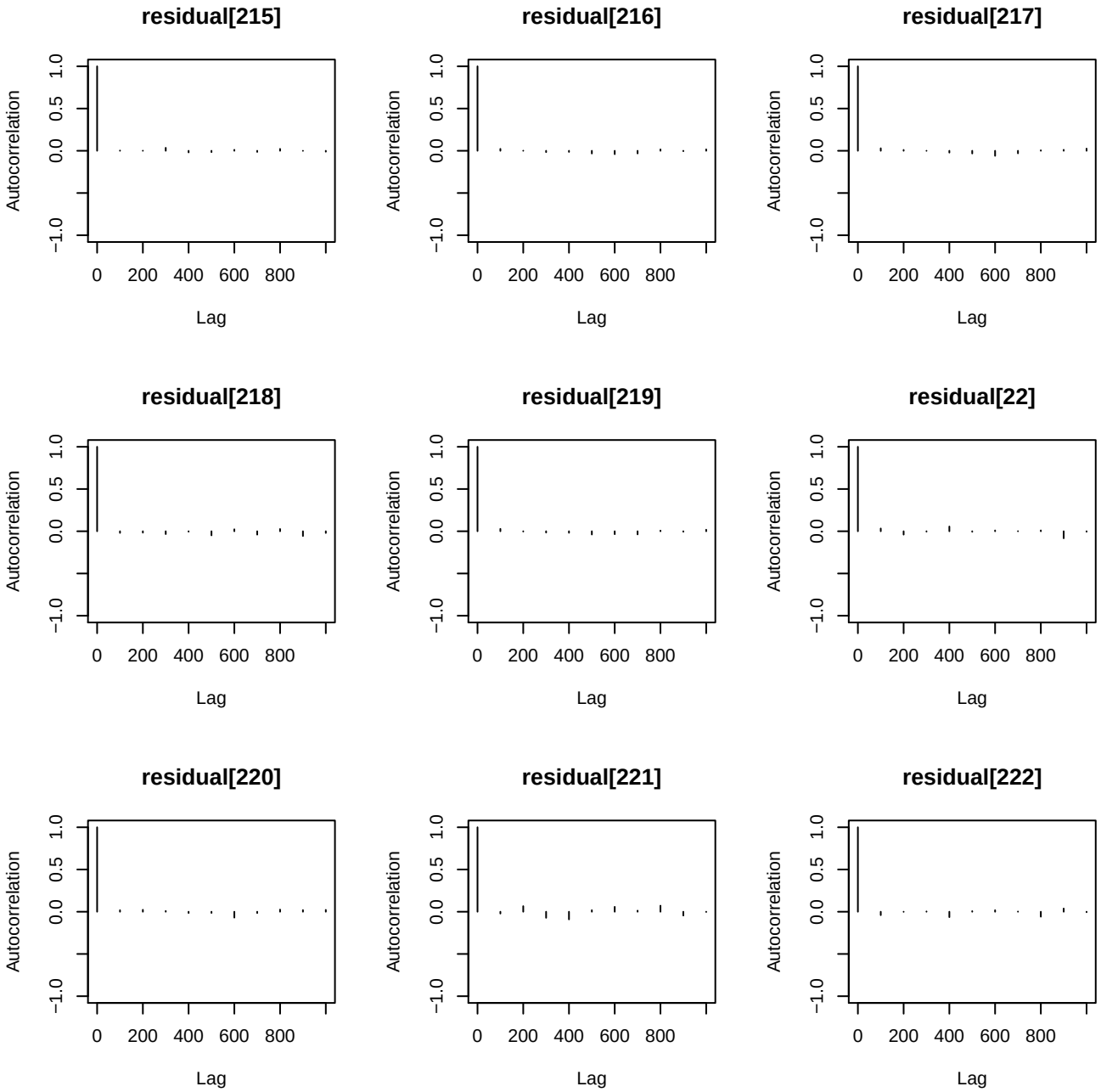

residual[175]
residual[176]
residual[177]
residual[178]
residual[179]
residual[18]
residual[180]
residual[181]
residual[182]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

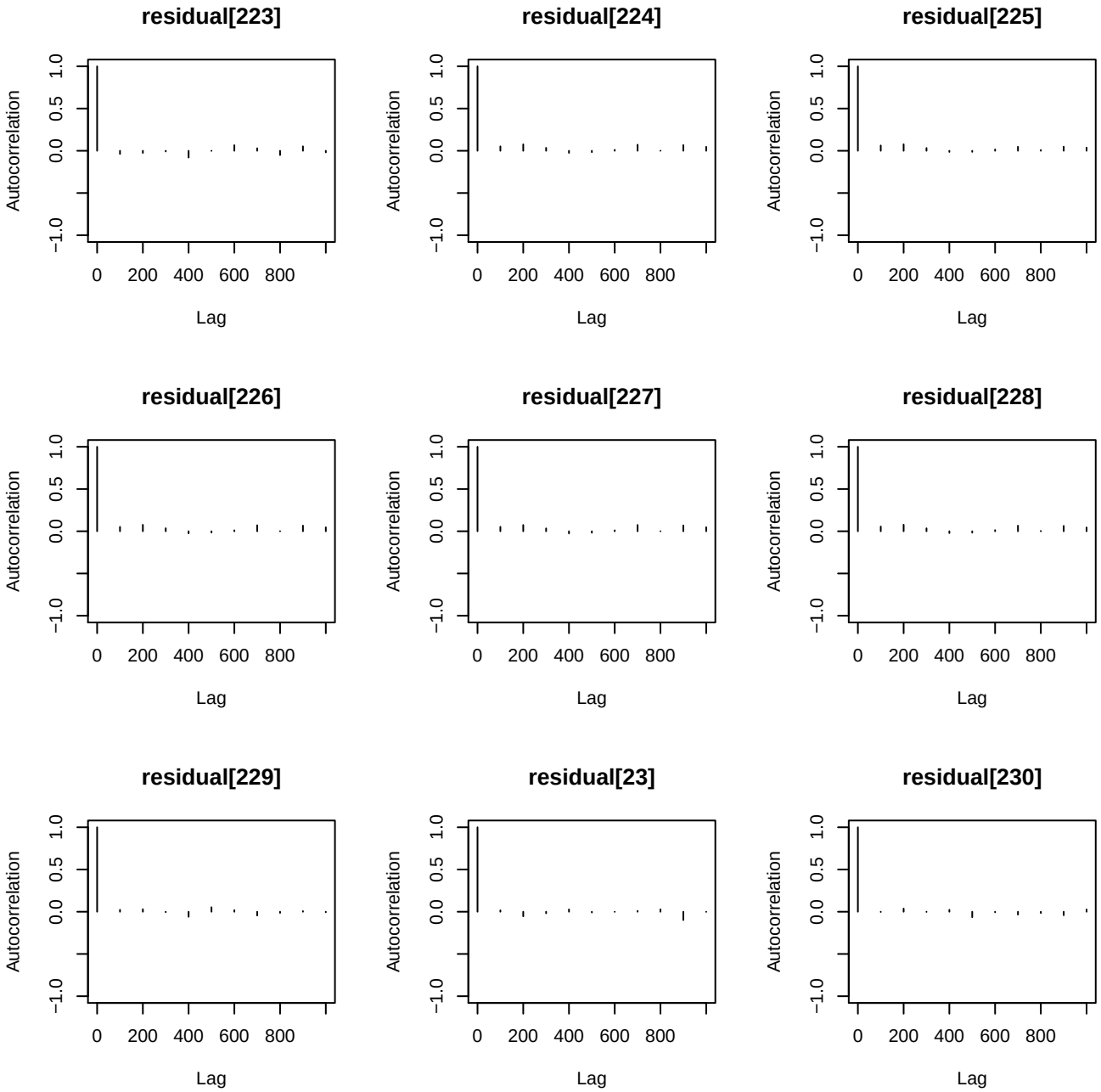

residual[183]
residual[184]
residual[185]
residual[186]
residual[187]
residual[188]
residual[189]
residual[19]
residual[190]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

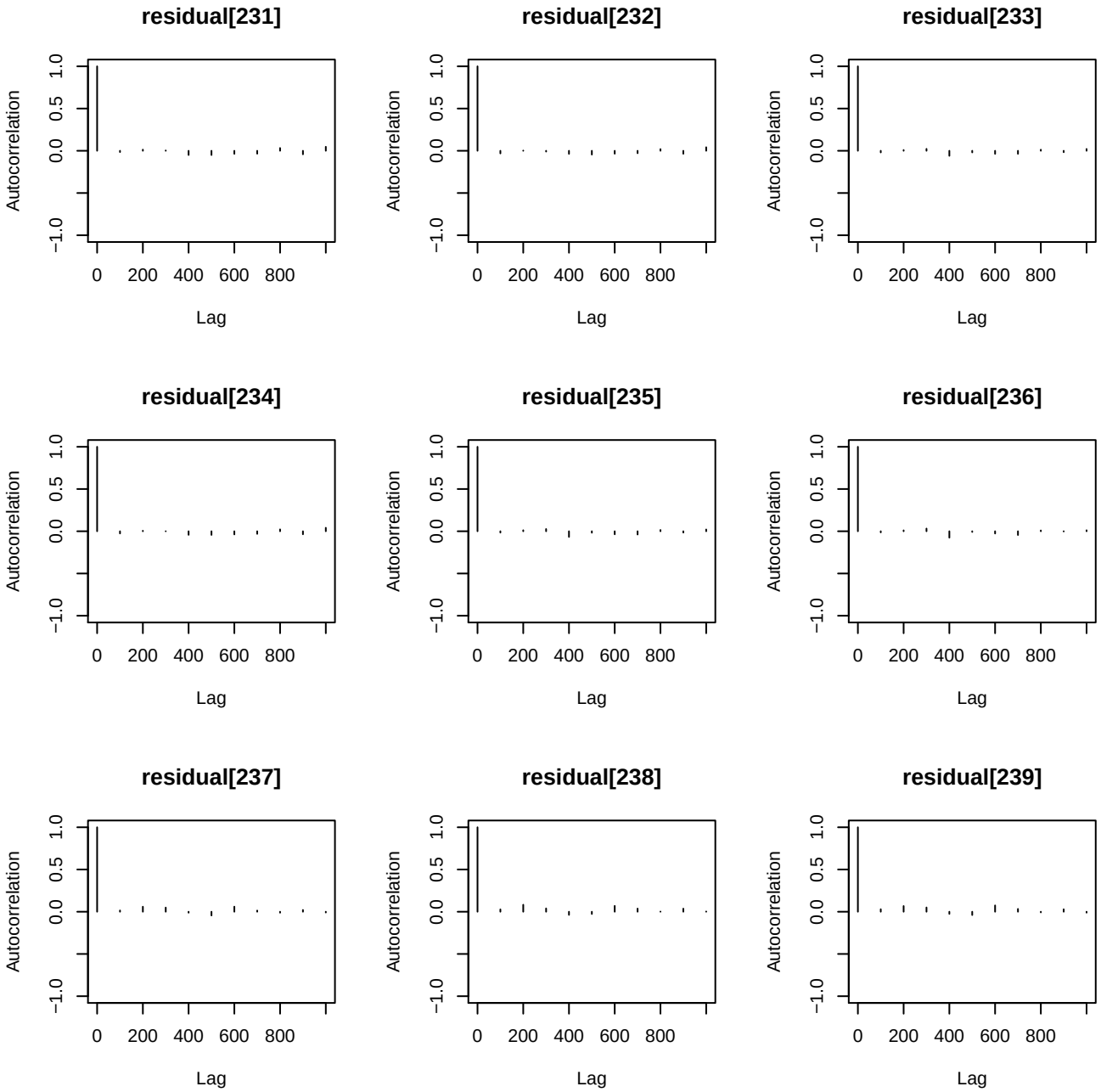

residual[191]
residual[192]
residual[193]
residual[194]
residual[195]
residual[196]
residual[197]
residual[198]
residual[199]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

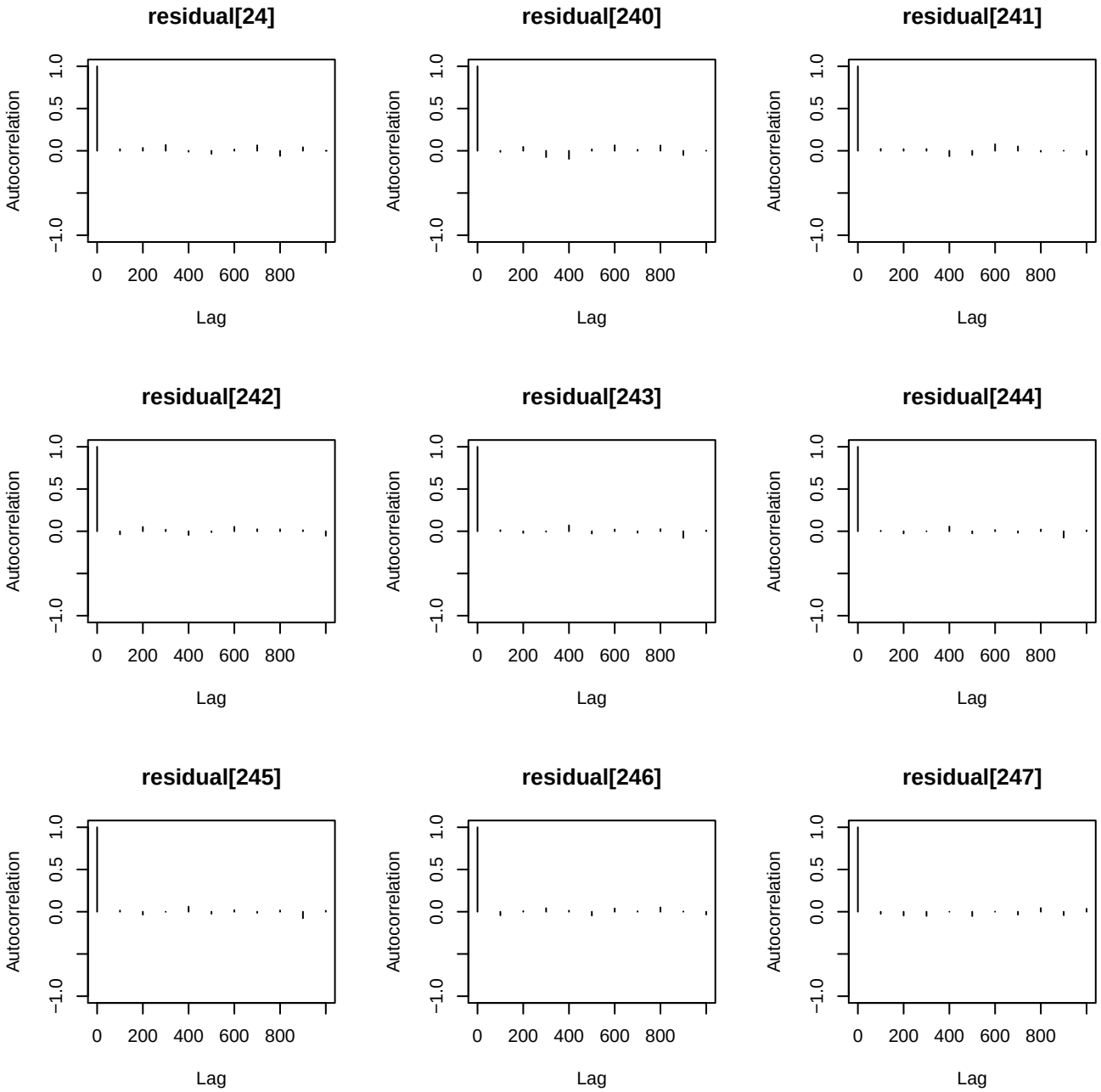

residual[2]
residual[20]
residual[200]
residual[201]
residual[202]
residual[203]
residual[204]
residual[205]
residual[206]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

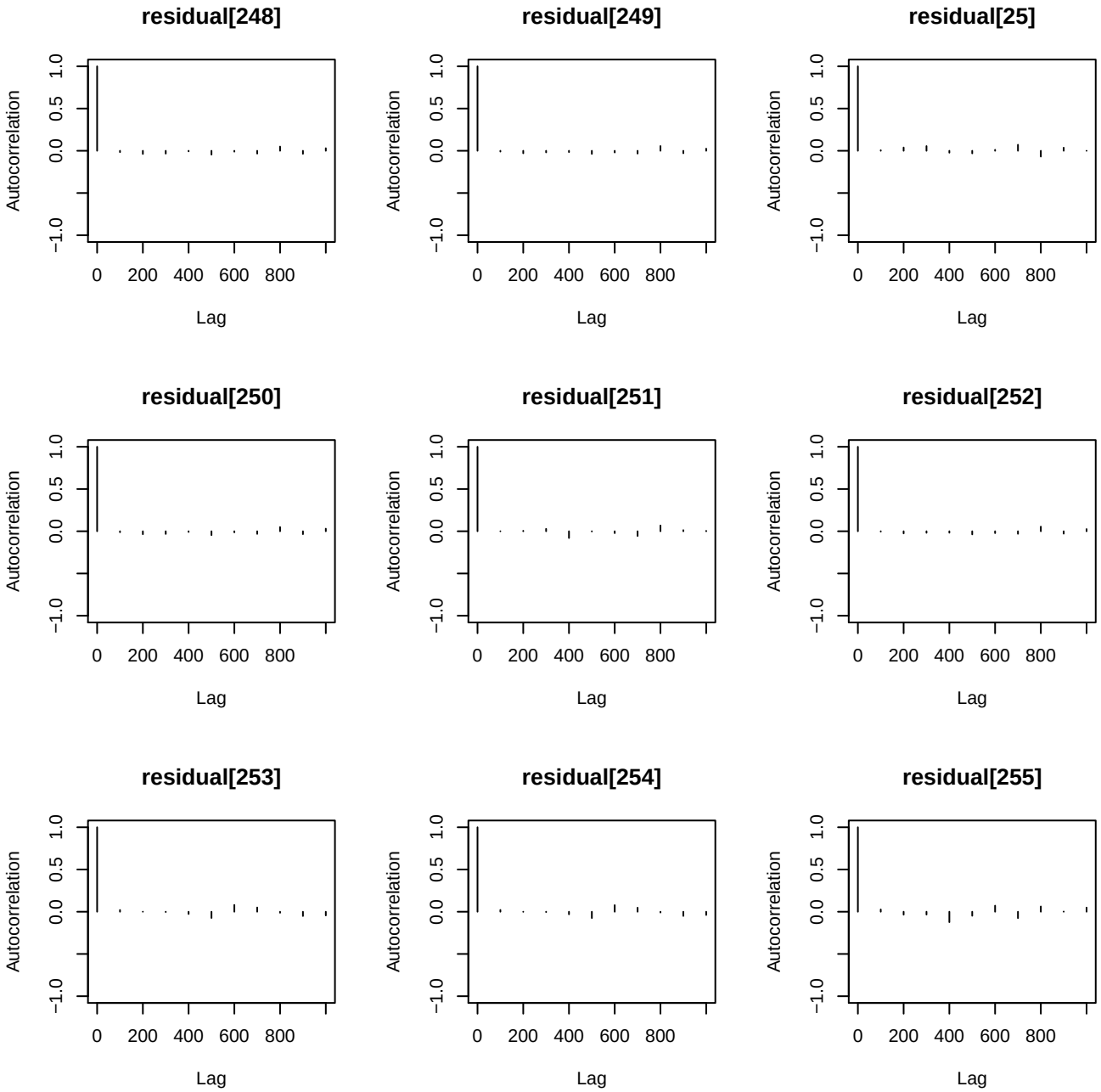

residual[207]
residual[208]
residual[209]
residual[21]
residual[210]
residual[211]
residual[212]
residual[213]
residual[214]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

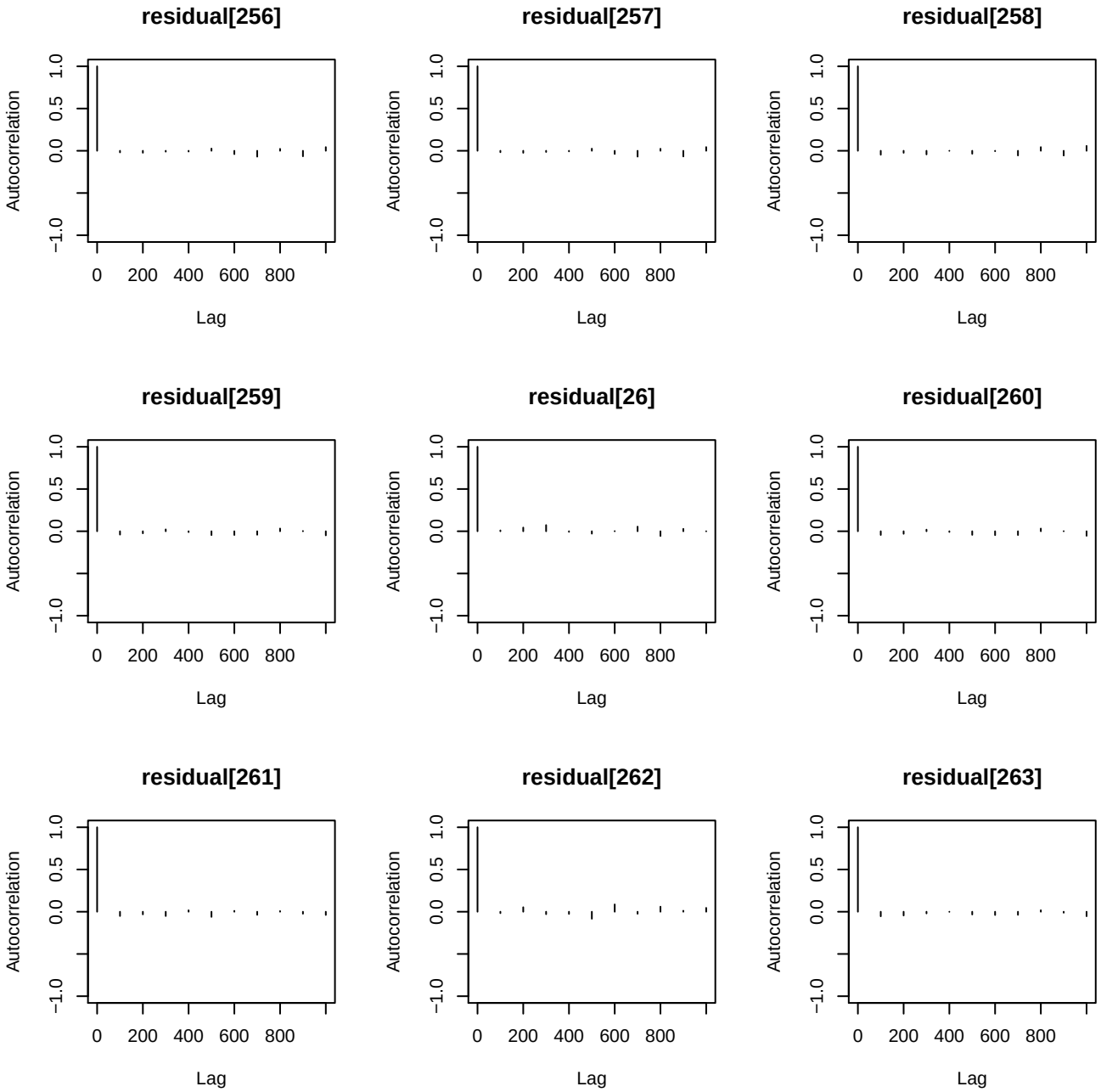

residual[215]
residual[216]
residual[217]
residual[218]
residual[219]
residual[22]
residual[220]
residual[221]
residual[222]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

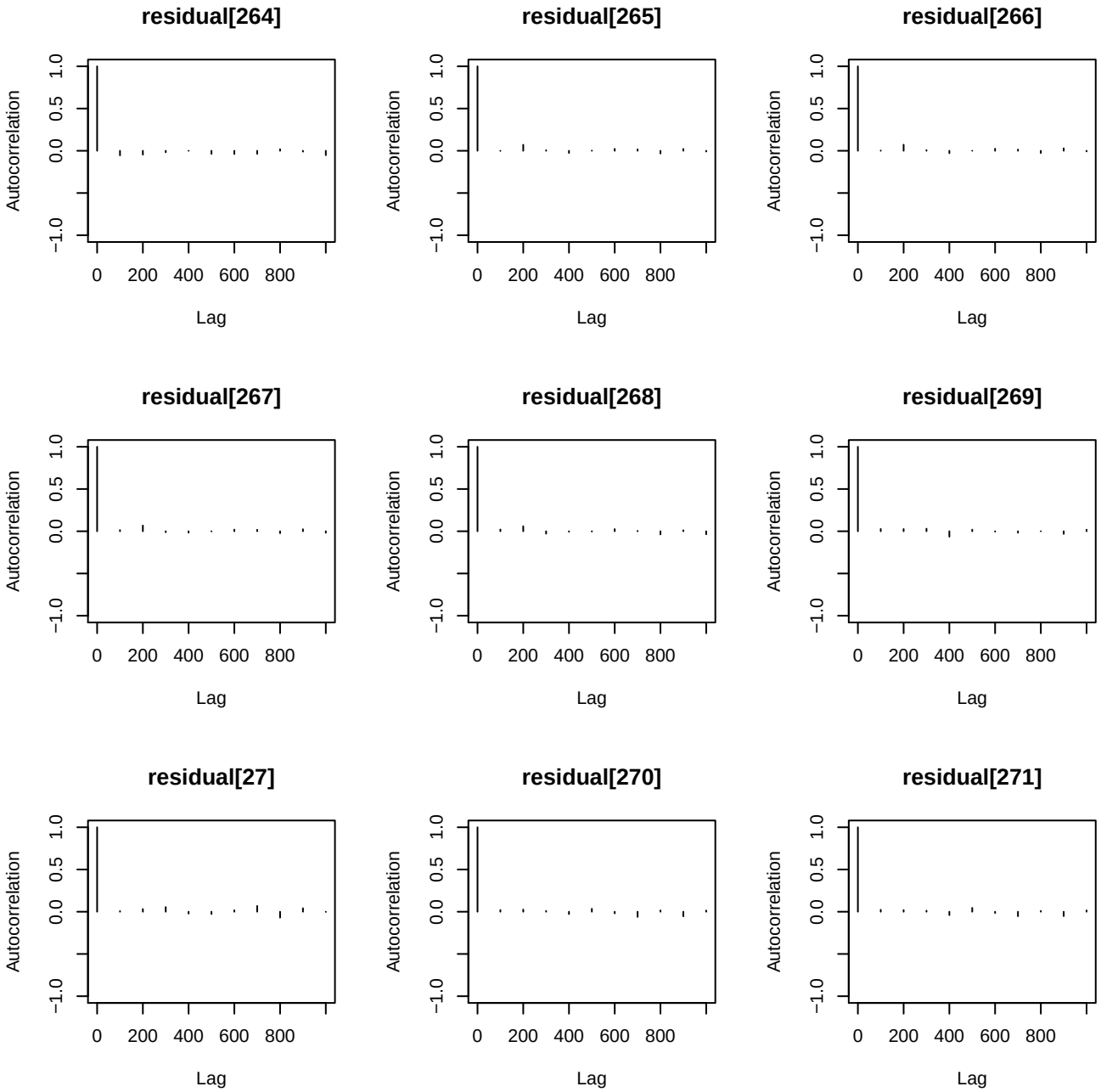

residual[223]
residual[224]
residual[225]
residual[226]
residual[227]
residual[228]
residual[229]
residual[23]
residual[230]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

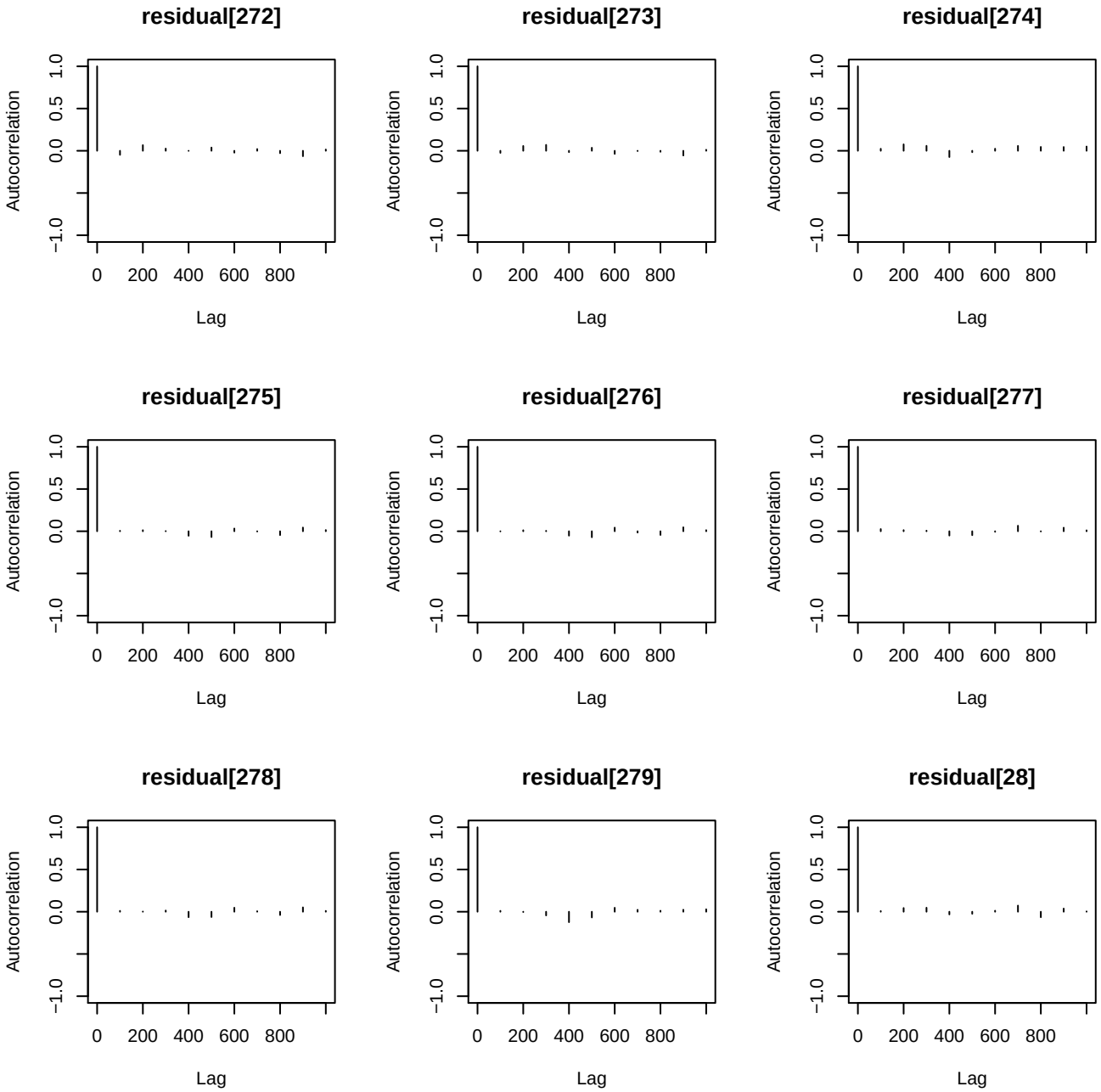

residual[231]
residual[232]
residual[233]
residual[234]
residual[235]
residual[236]
residual[237]
residual[238]
residual[239]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

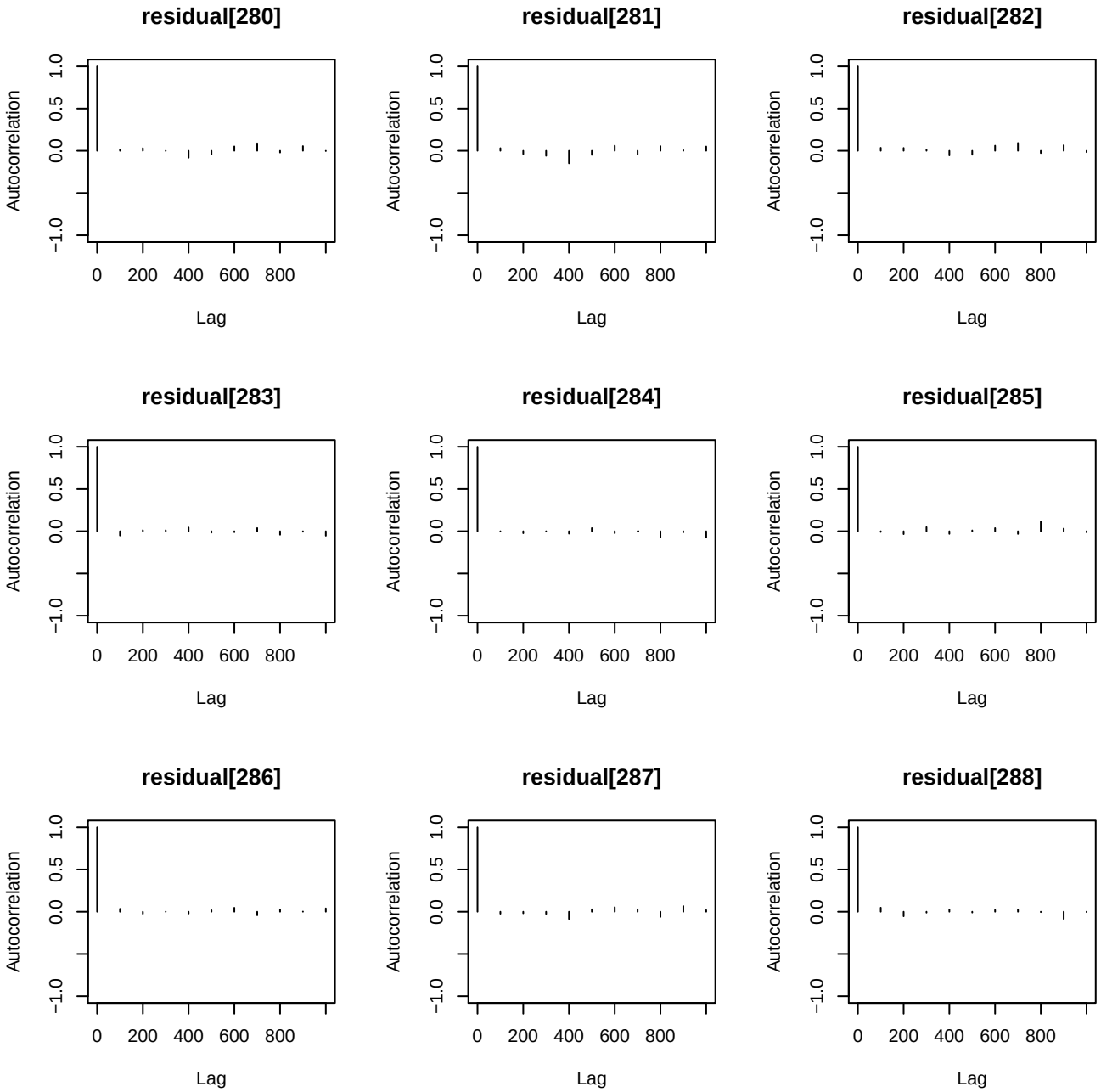

residual[24]
residual[240]
residual[241]
residual[242]
residual[243]
residual[244]
residual[245]
residual[246]
residual[247]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

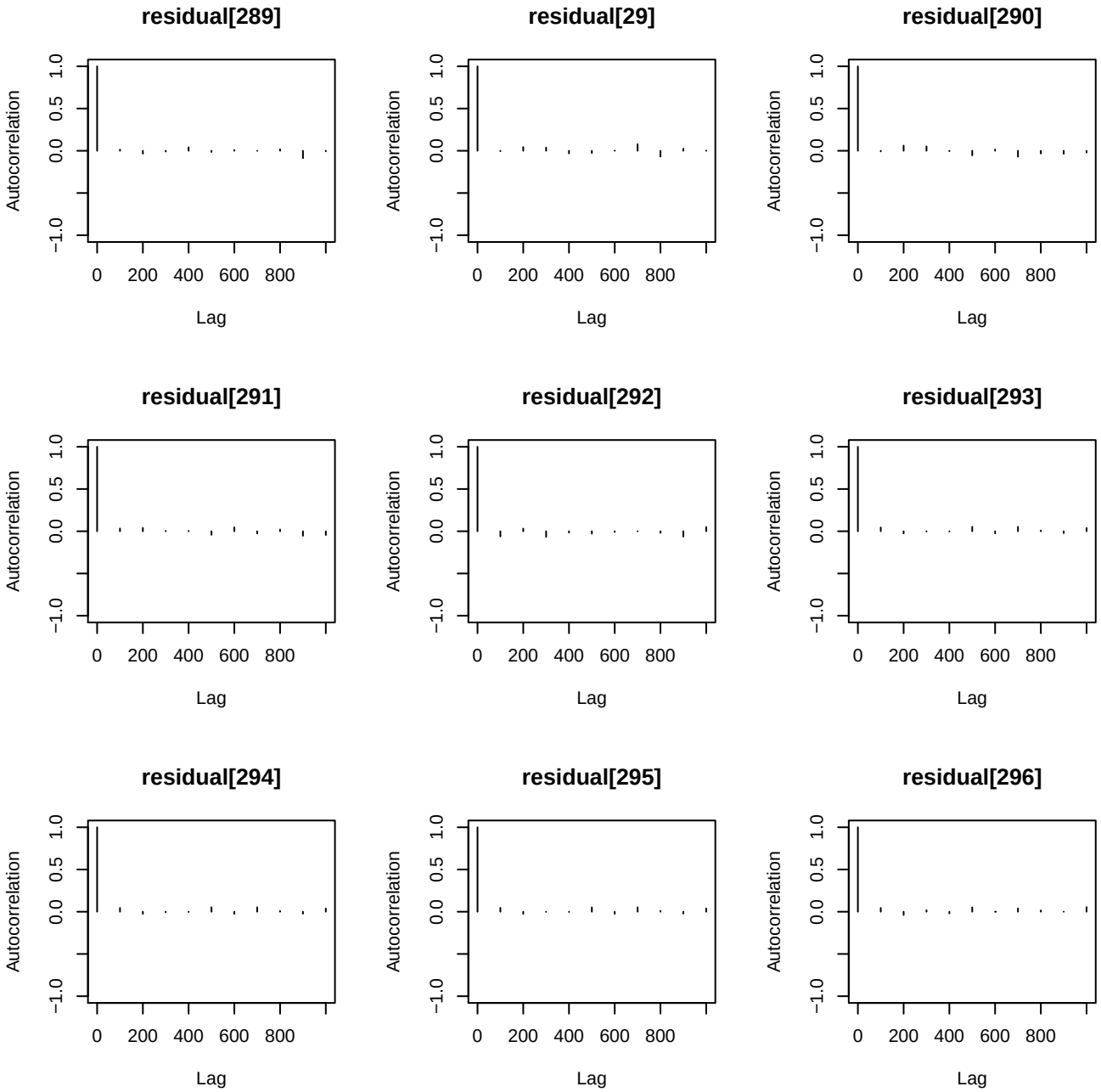

residual[248]
residual[249]
residual[25]
residual[250]
residual[251]
residual[252]
residual[253]
residual[254]
residual[255]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

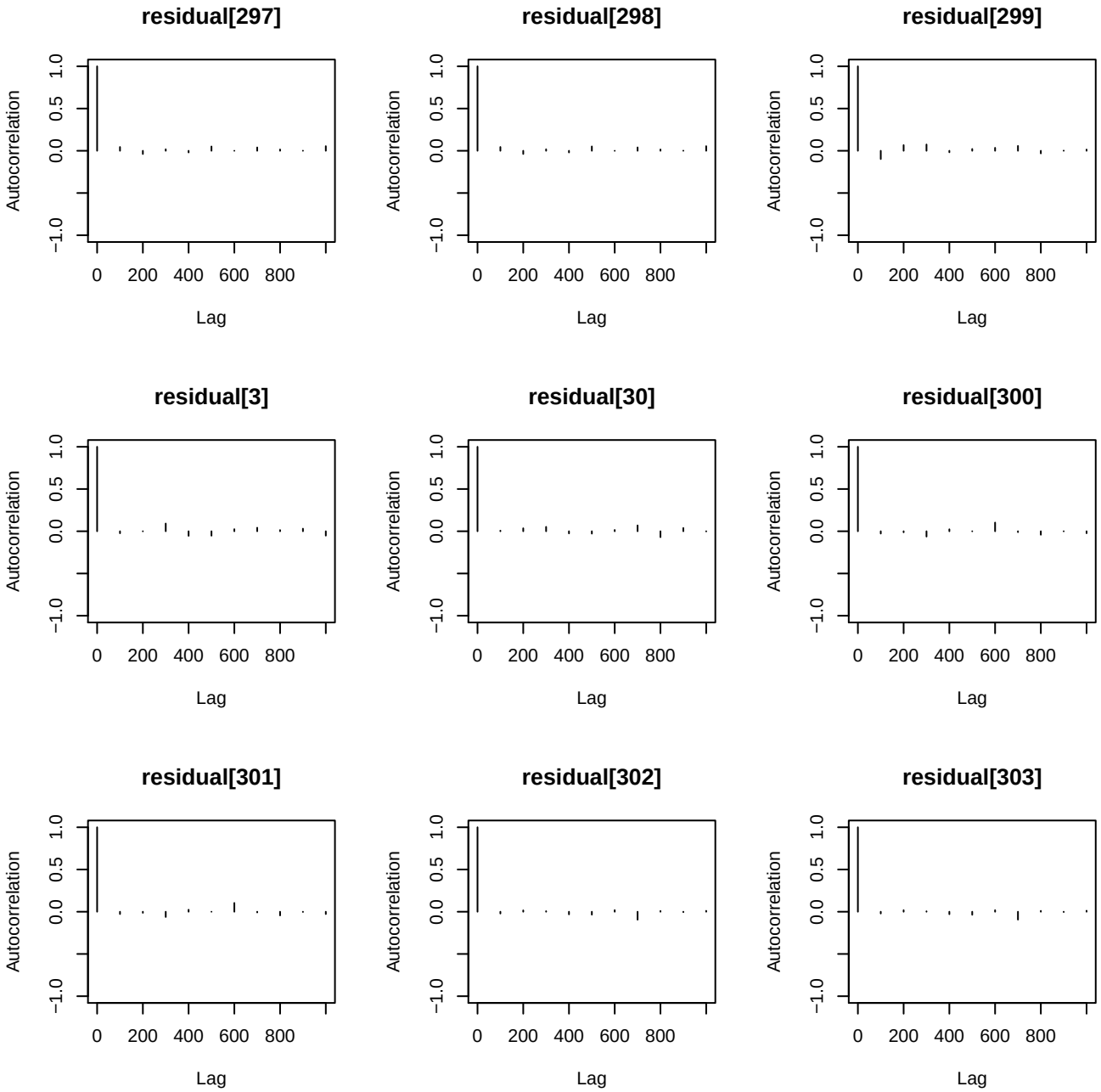

residual[256]
residual[257]
residual[258]
residual[259]
residual[26]
residual[260]
residual[261]
residual[262]
residual[263]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

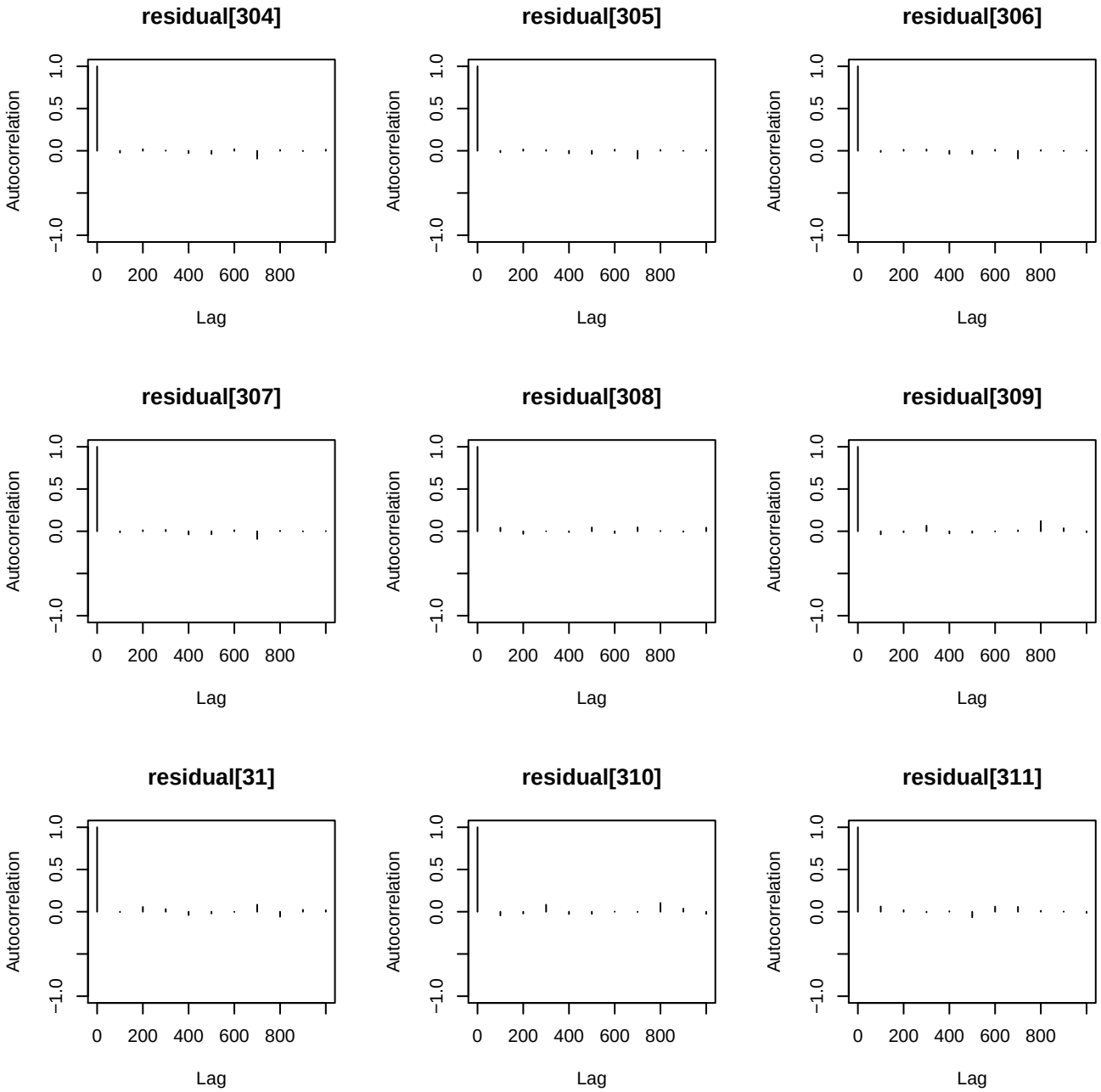

residual[264]
residual[265]
residual[266]
residual[267]
residual[268]
residual[269]
residual[27]
residual[270]
residual[271]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

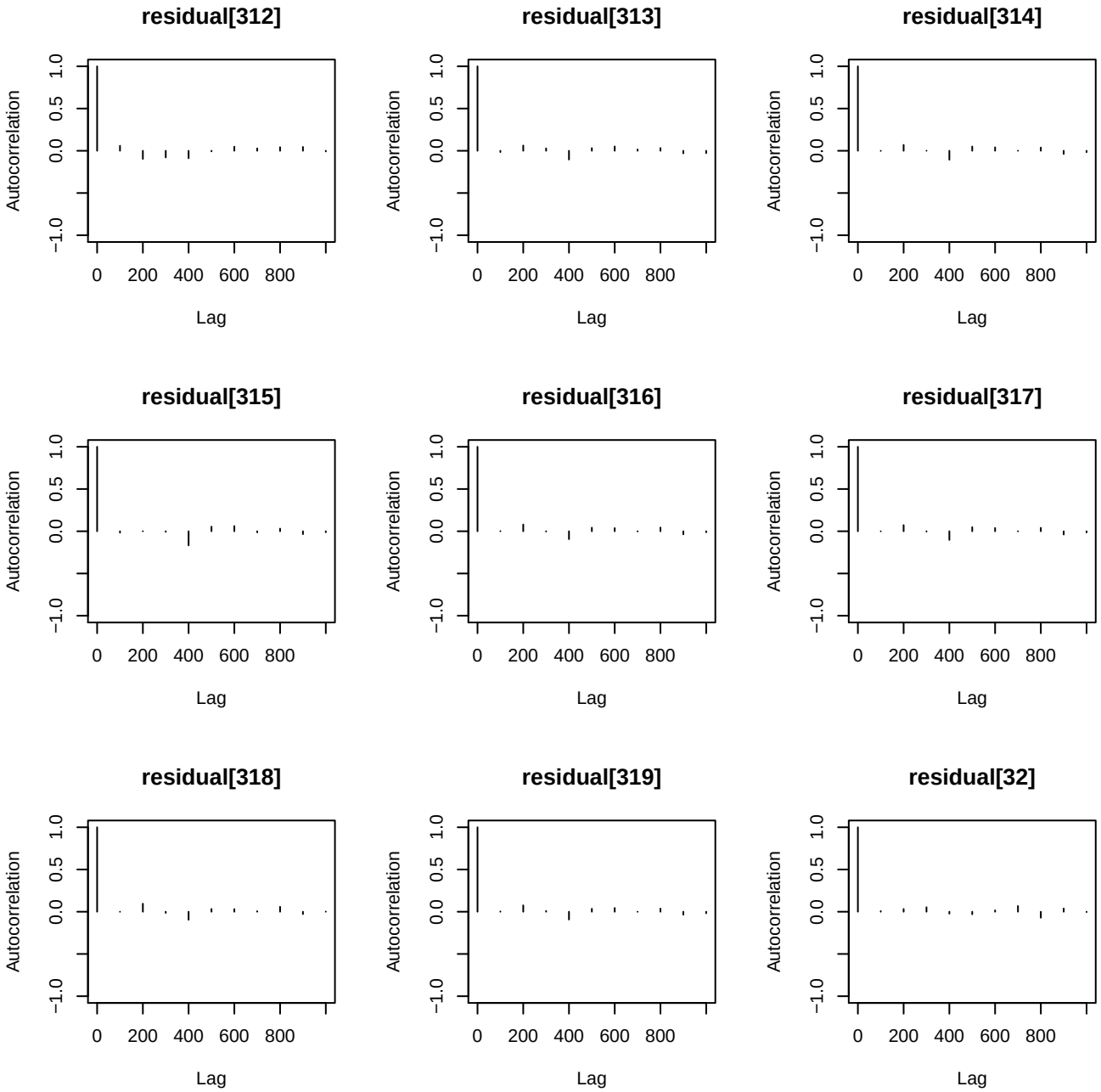

residual[272]
residual[273]
residual[274]
residual[275]
residual[276]
residual[277]
residual[278]
residual[279]
residual[28]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

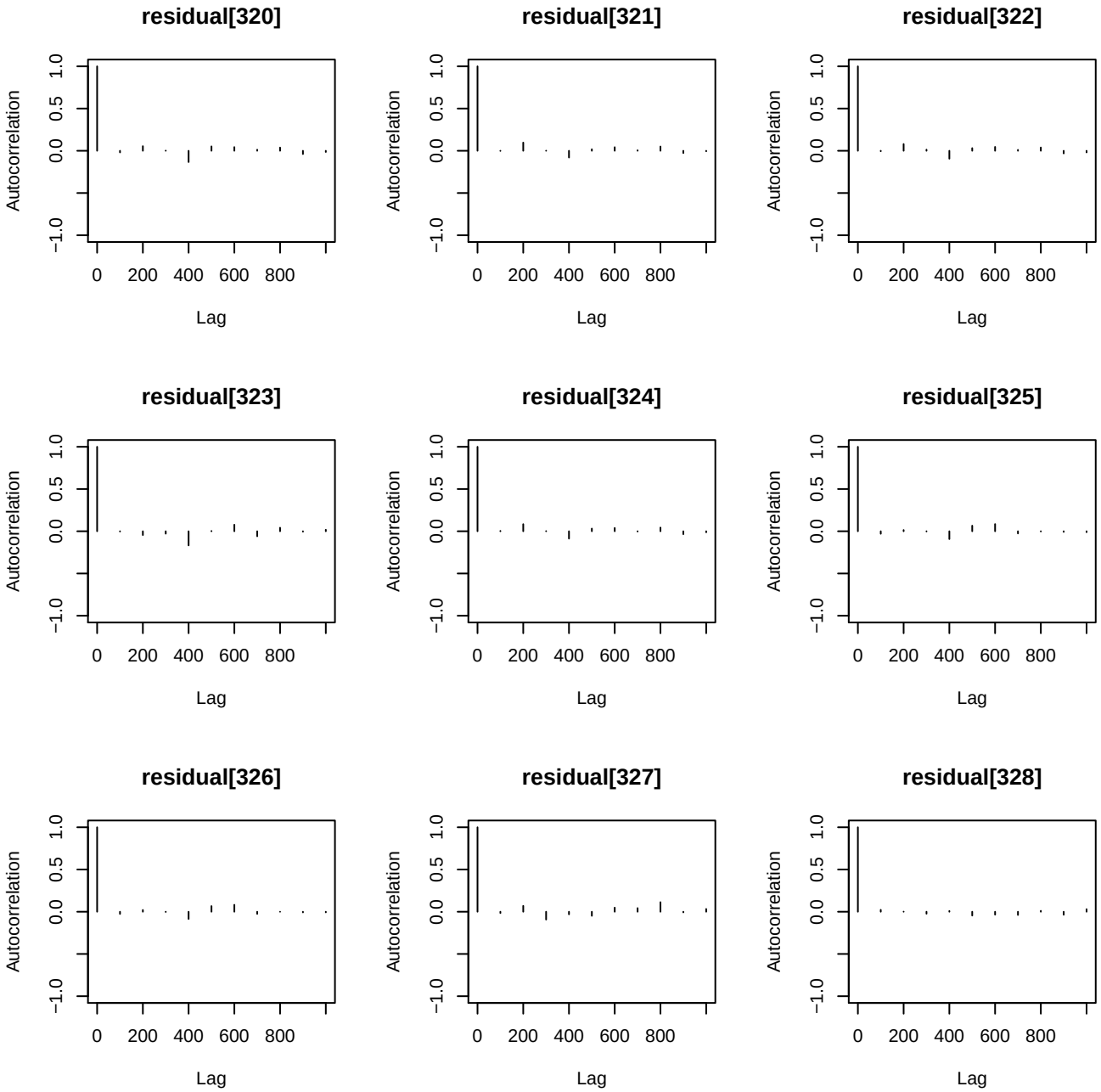

residual[280]
residual[281]
residual[282]
residual[283]
residual[284]
residual[285]
residual[286]
residual[287]
residual[288]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

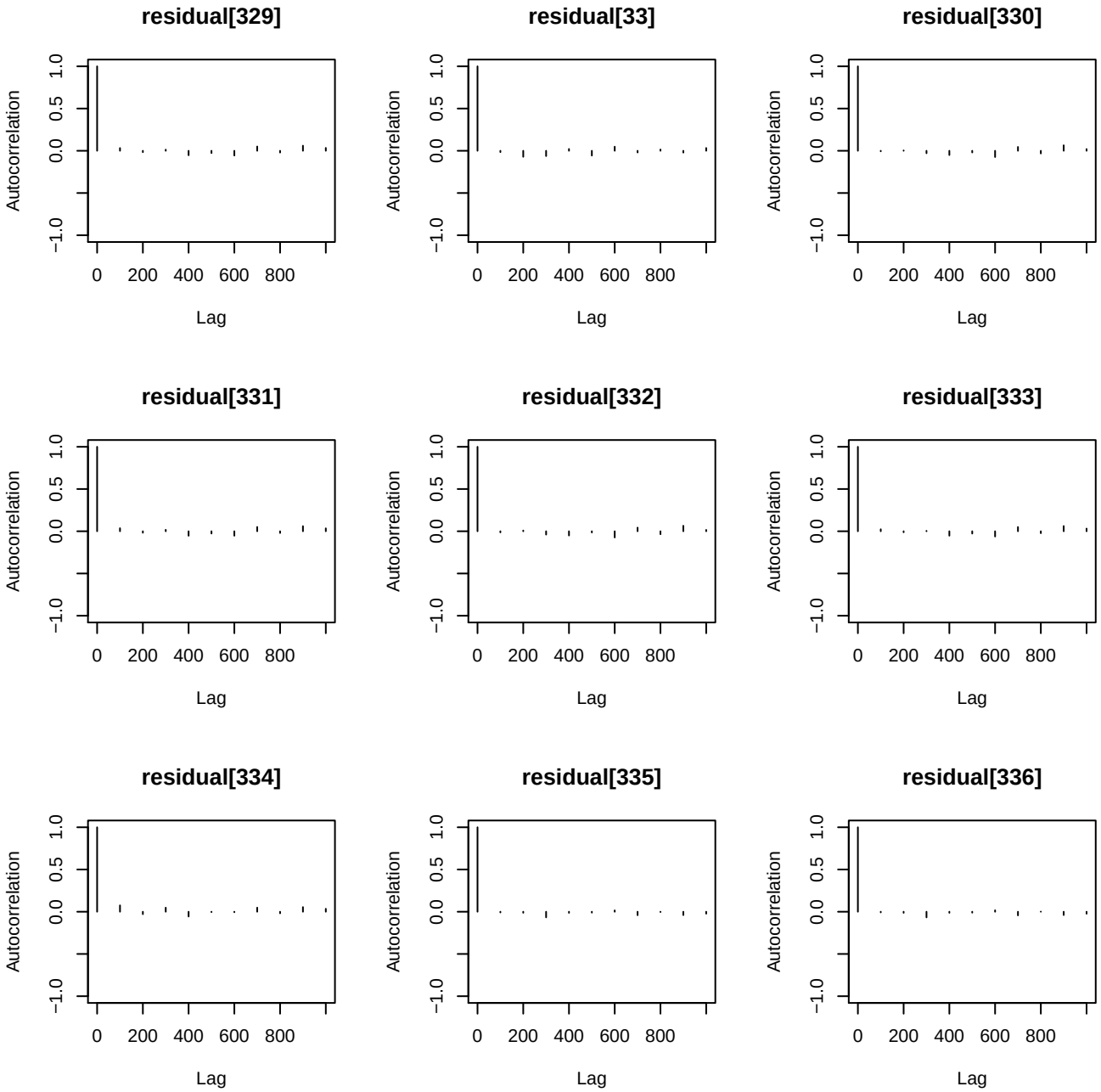

residual[289]
residual[29]
residual[290]
residual[291]
residual[292]
residual[293]
residual[294]
residual[295]
residual[296]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

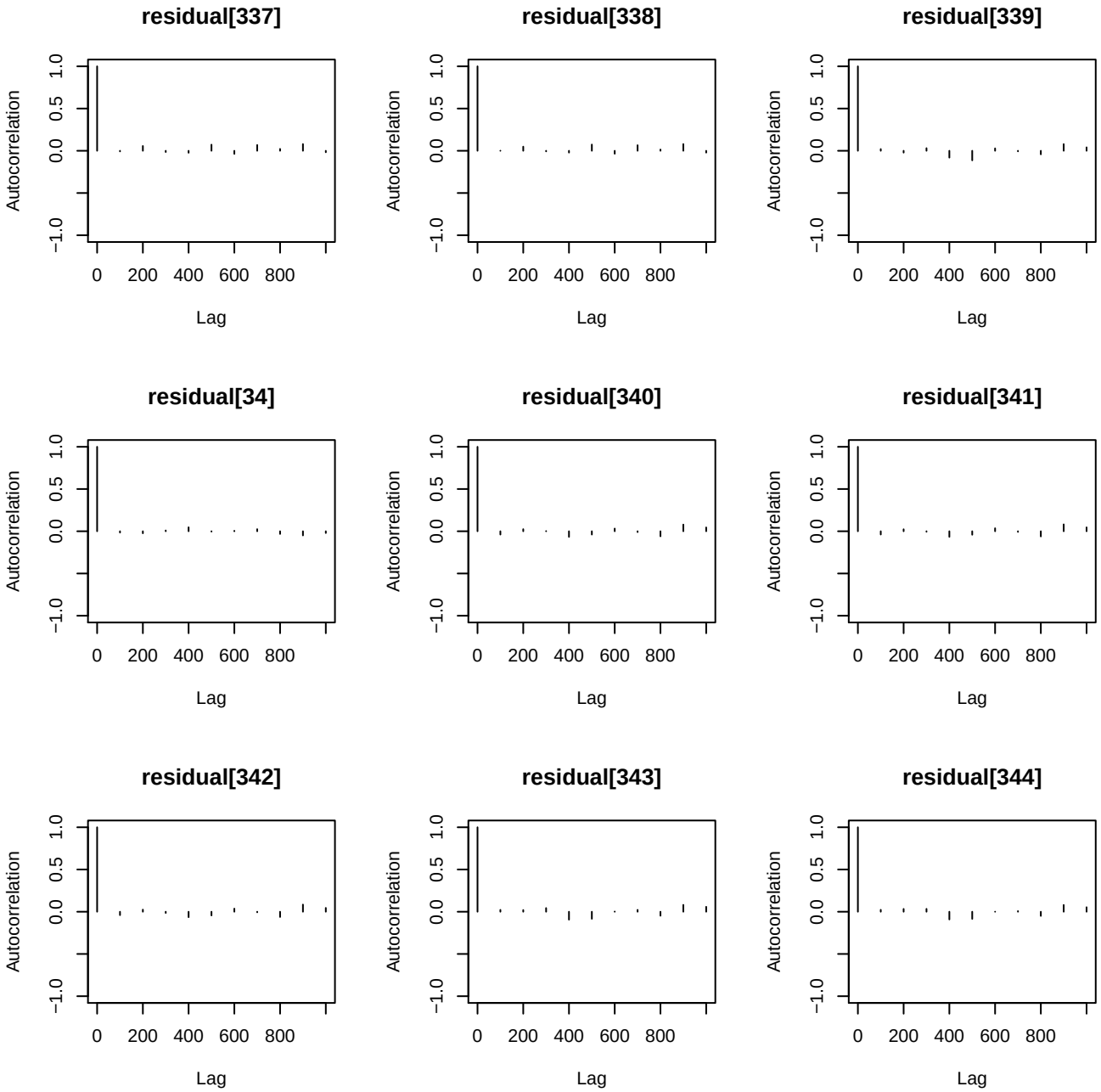

residual[297]
residual[298]
residual[299]
residual[3]
residual[30]
residual[300]
residual[301]
residual[302]
residual[303]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

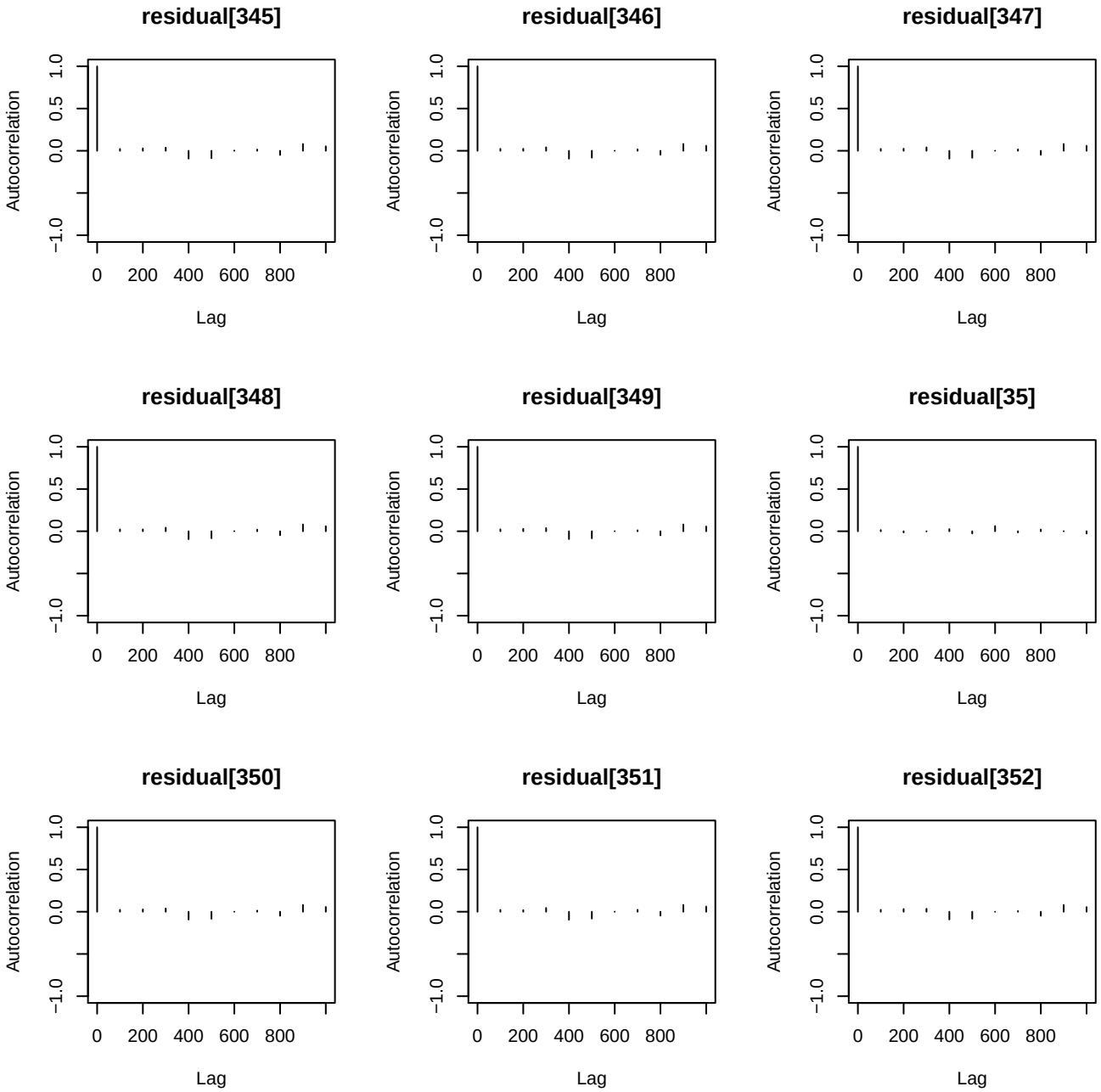

residual[304]
residual[305]
residual[306]
residual[307]
residual[308]
residual[309]
residual[31]
residual[310]
residual[311]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

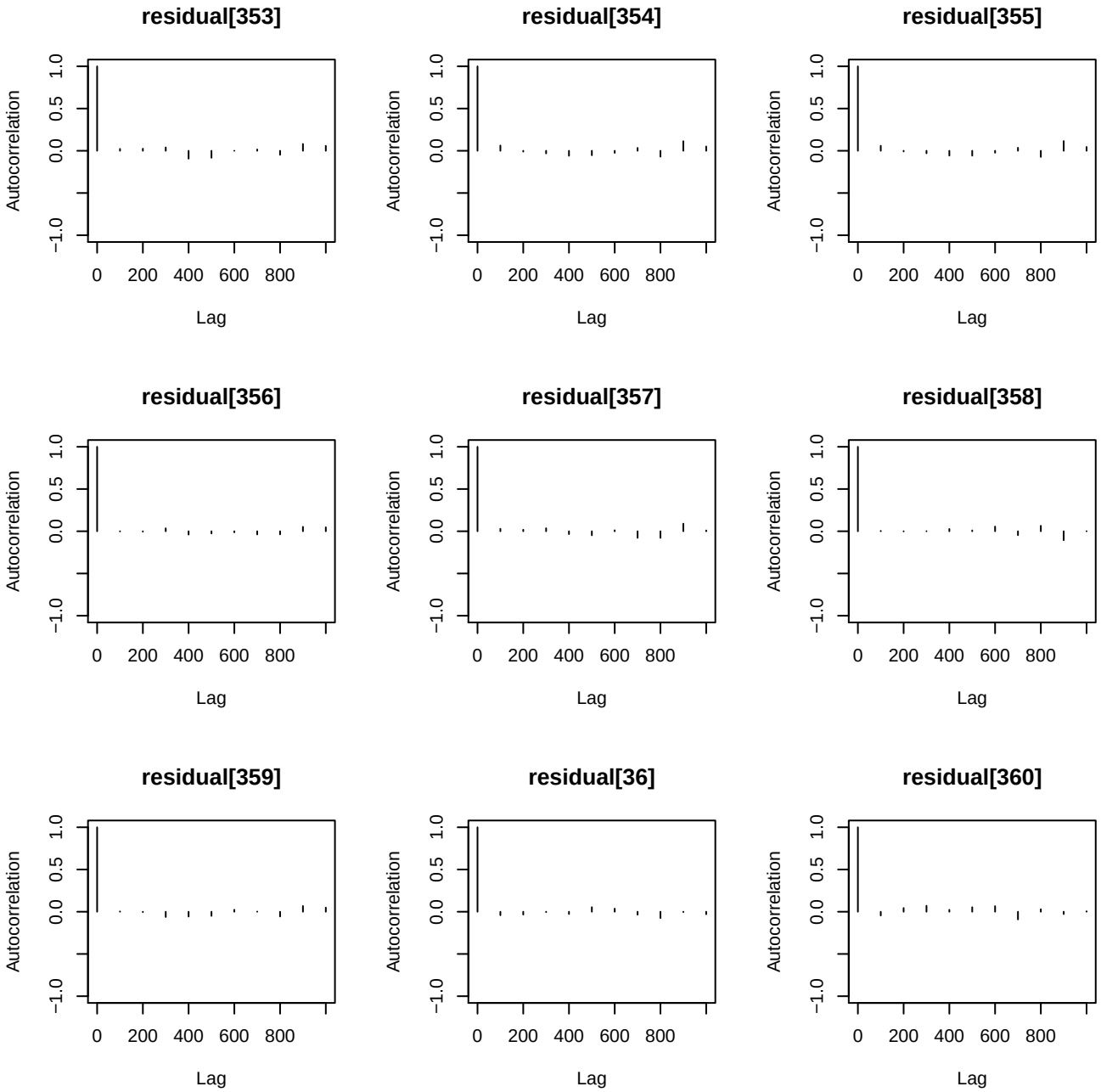

residual[312]
residual[313]
residual[314]
residual[315]
residual[316]
residual[317]
residual[318]
residual[319]
residual[32]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

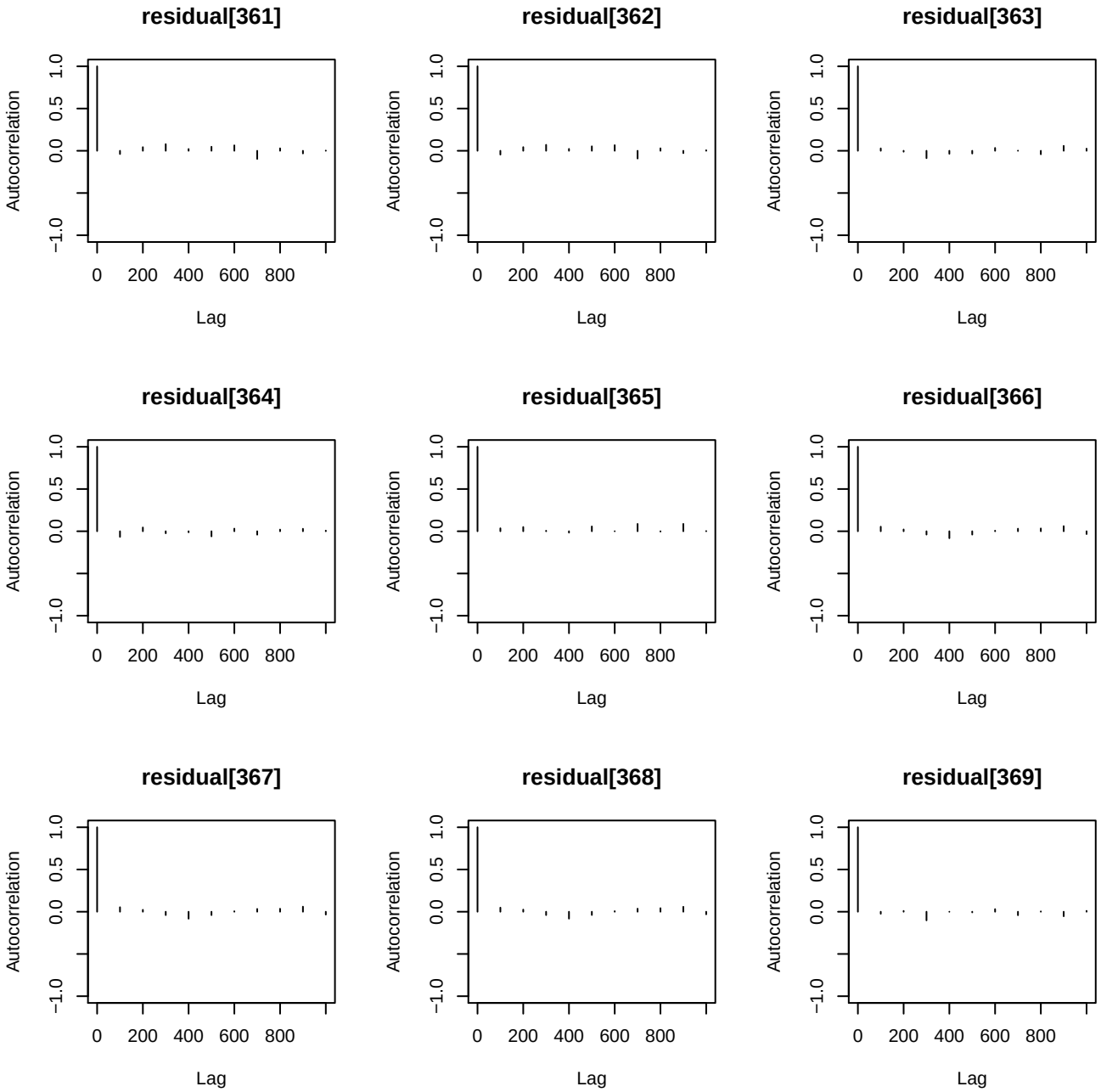

residual[320]
residual[321]
residual[322]
residual[323]
residual[324]
residual[325]
residual[326]
residual[327]
residual[328]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

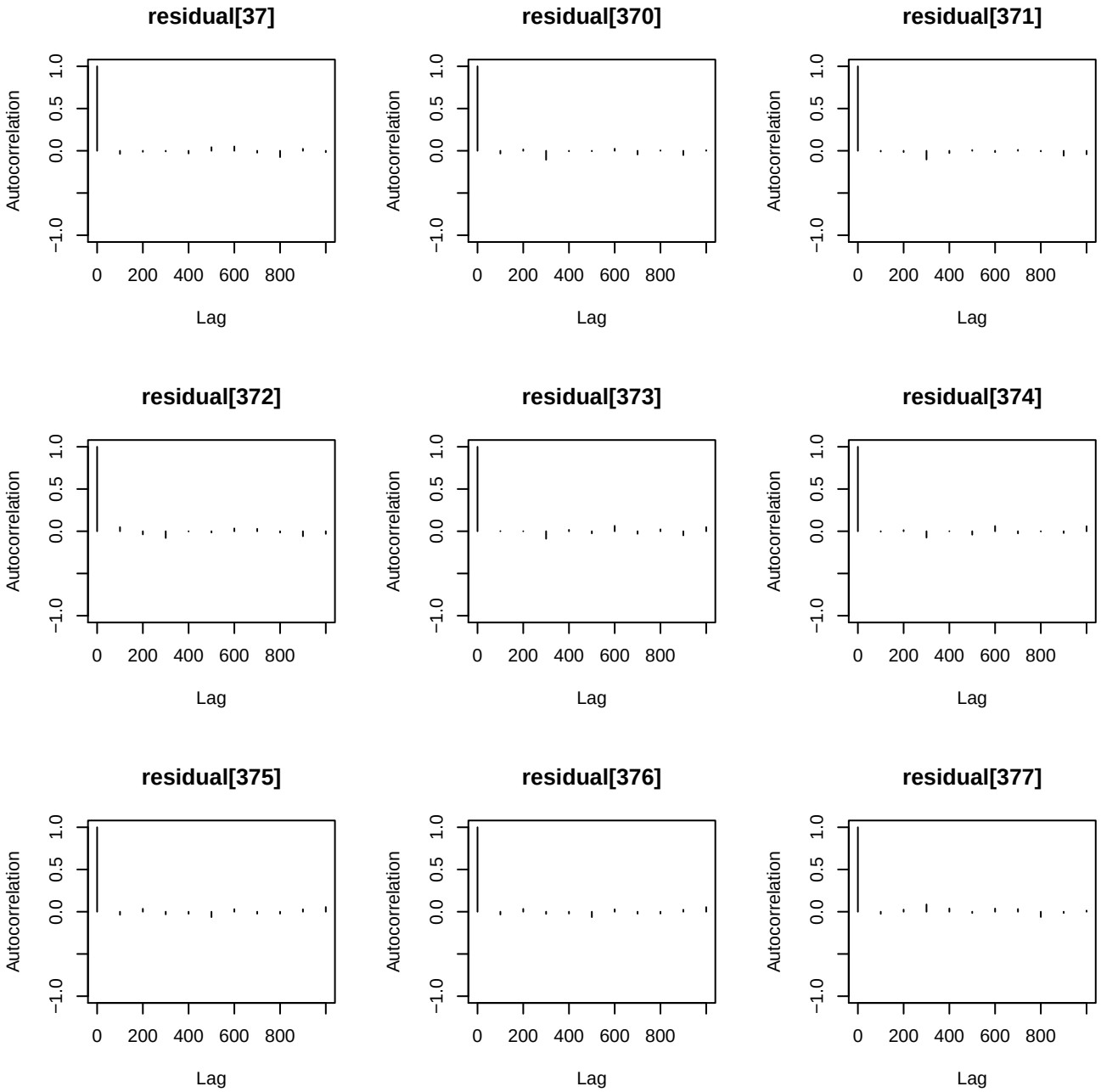

residual[329]
residual[33]
residual[330]
residual[331]
residual[332]
residual[333]
residual[334]
residual[335]
residual[336]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

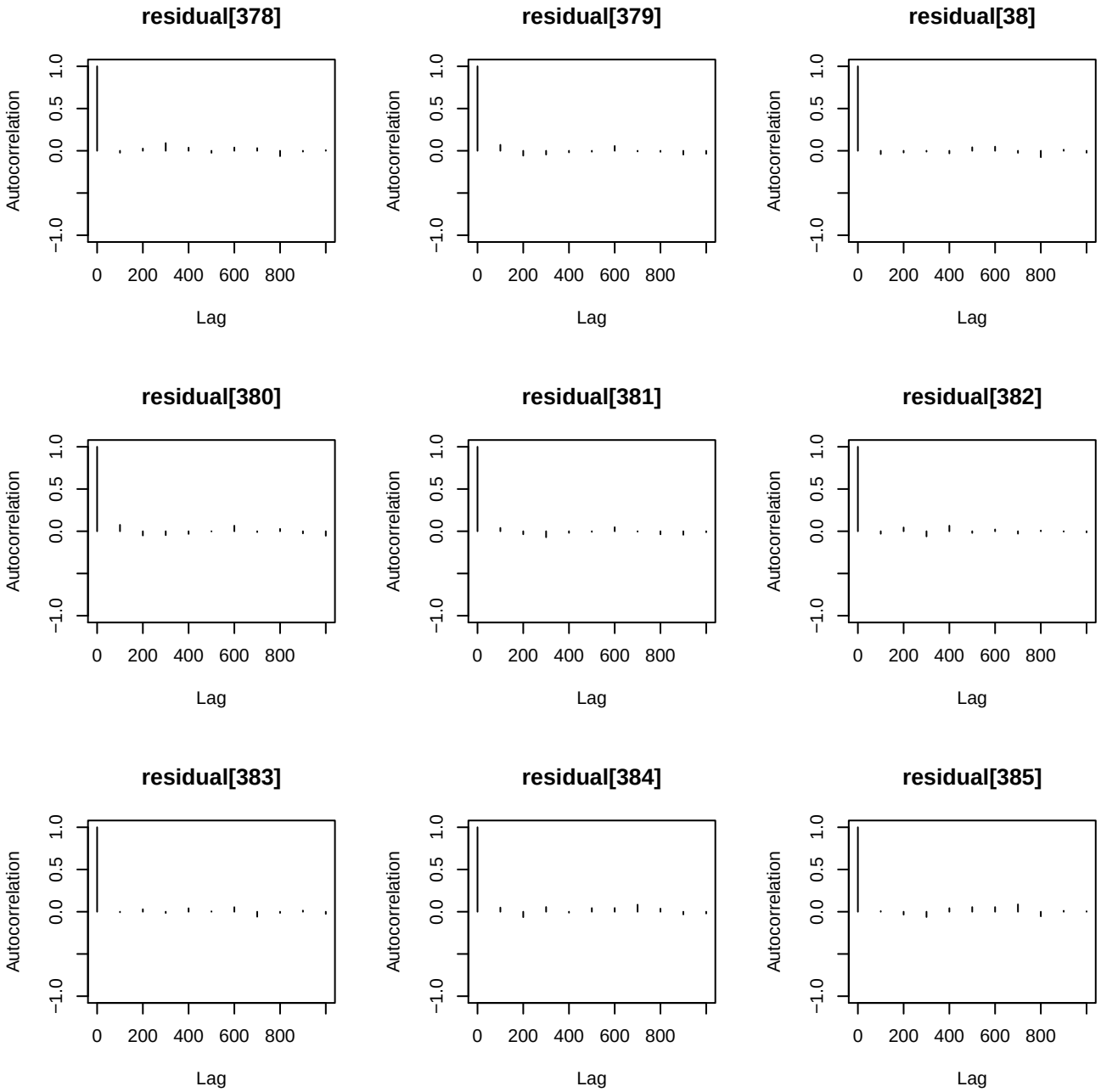

residual[337]
residual[338]
residual[339]
residual[34]
residual[340]
residual[341]
residual[342]
residual[343]
residual[344]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

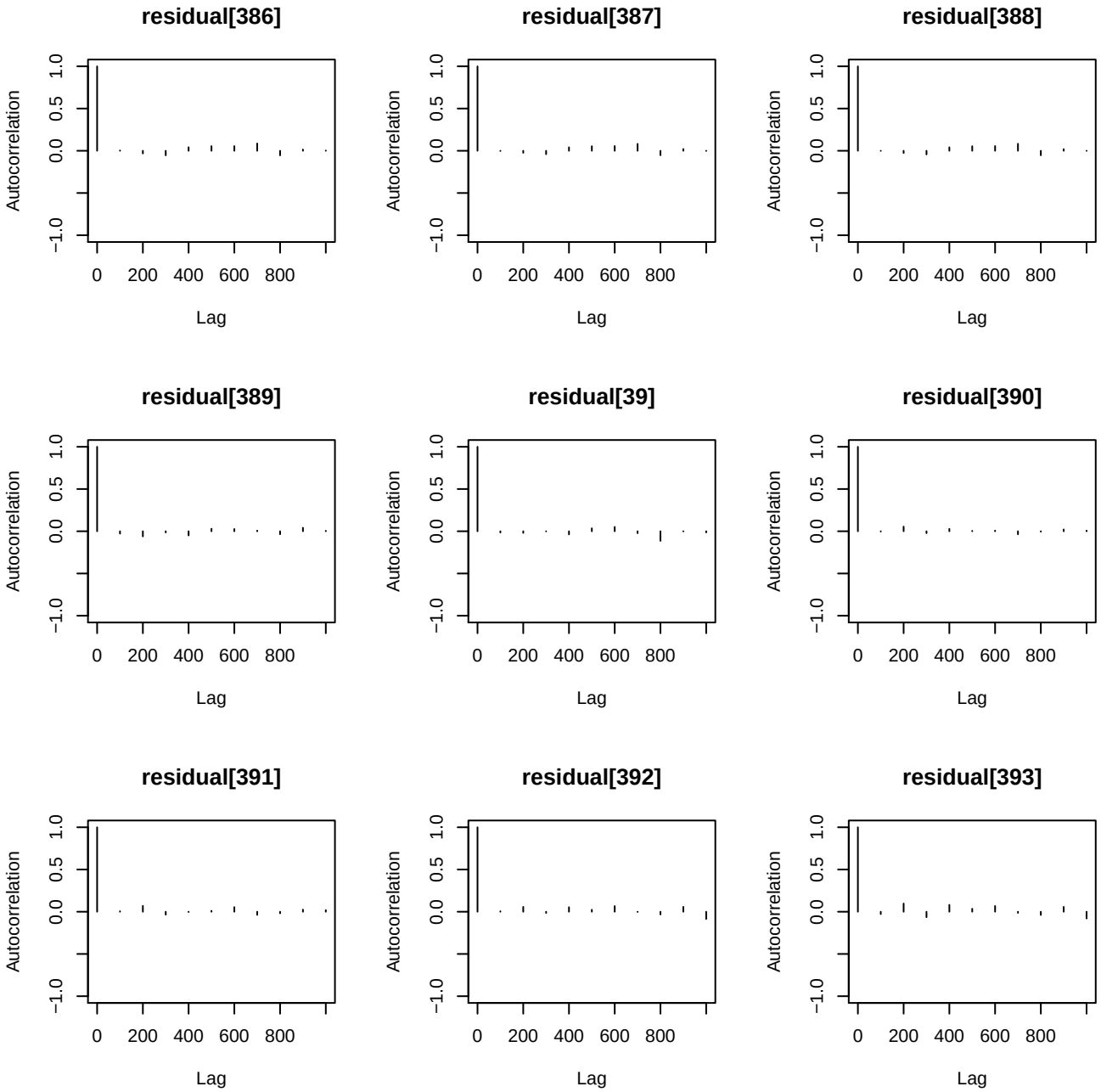

residual[345]
residual[346]
residual[347]
residual[348]
residual[349]
residual[35]
residual[350]
residual[351]
residual[352]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

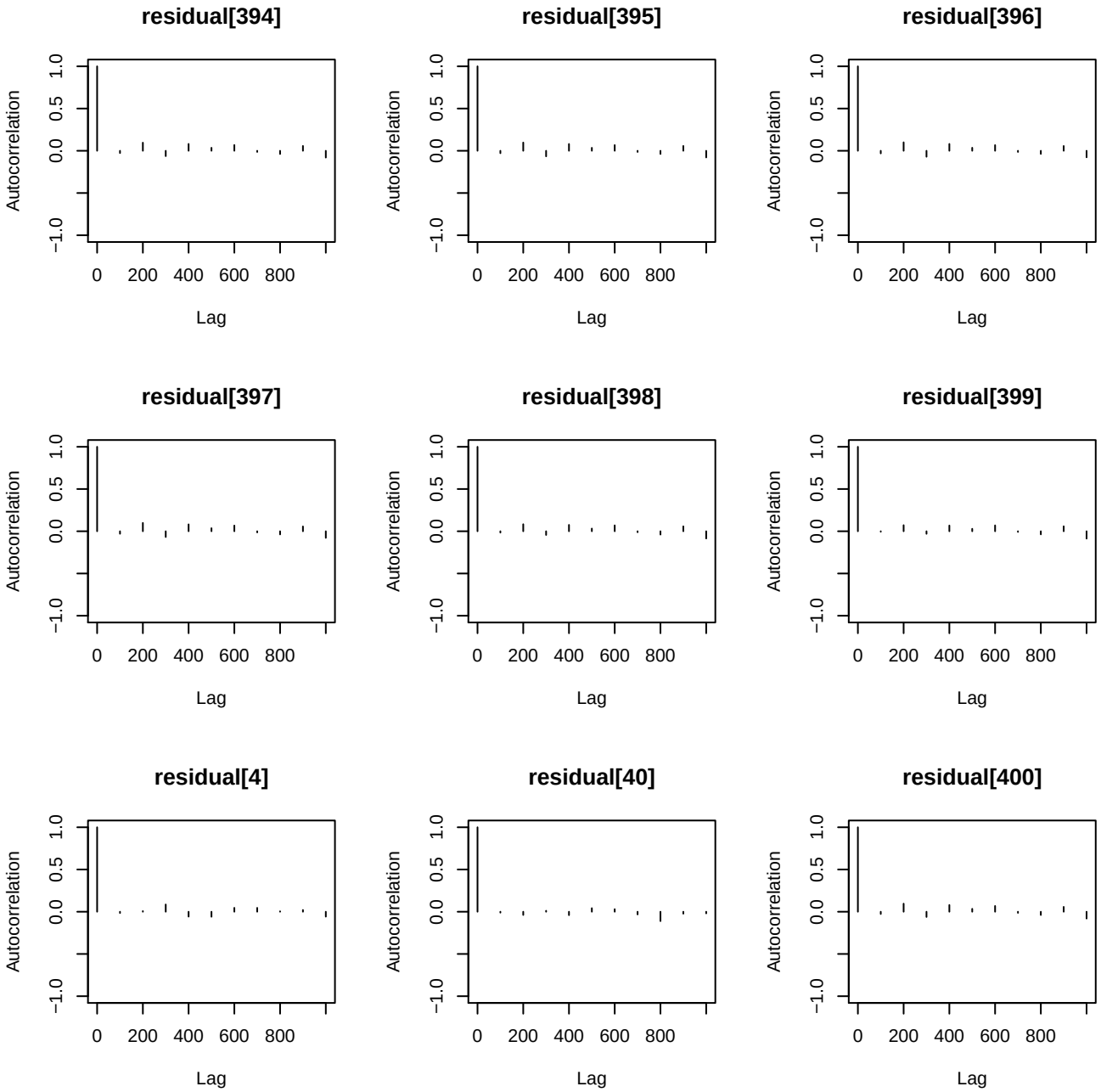

residual[353]
residual[354]
residual[355]
residual[356]
residual[357]
residual[358]
residual[359]
residual[36]
residual[360]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

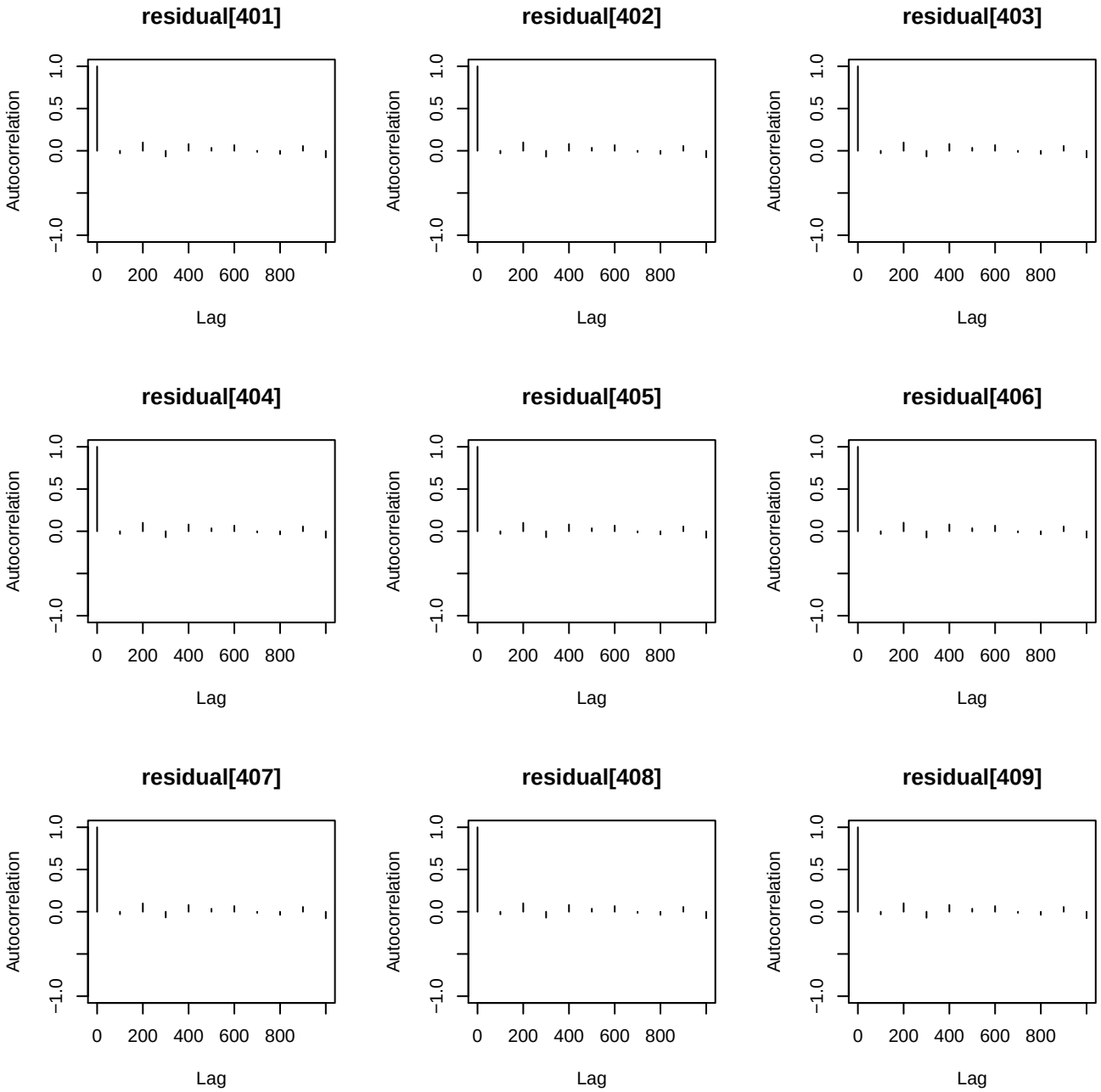

residual[361]
residual[362]
residual[363]
residual[364]
residual[365]
residual[366]
residual[367]
residual[368]
residual[369]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

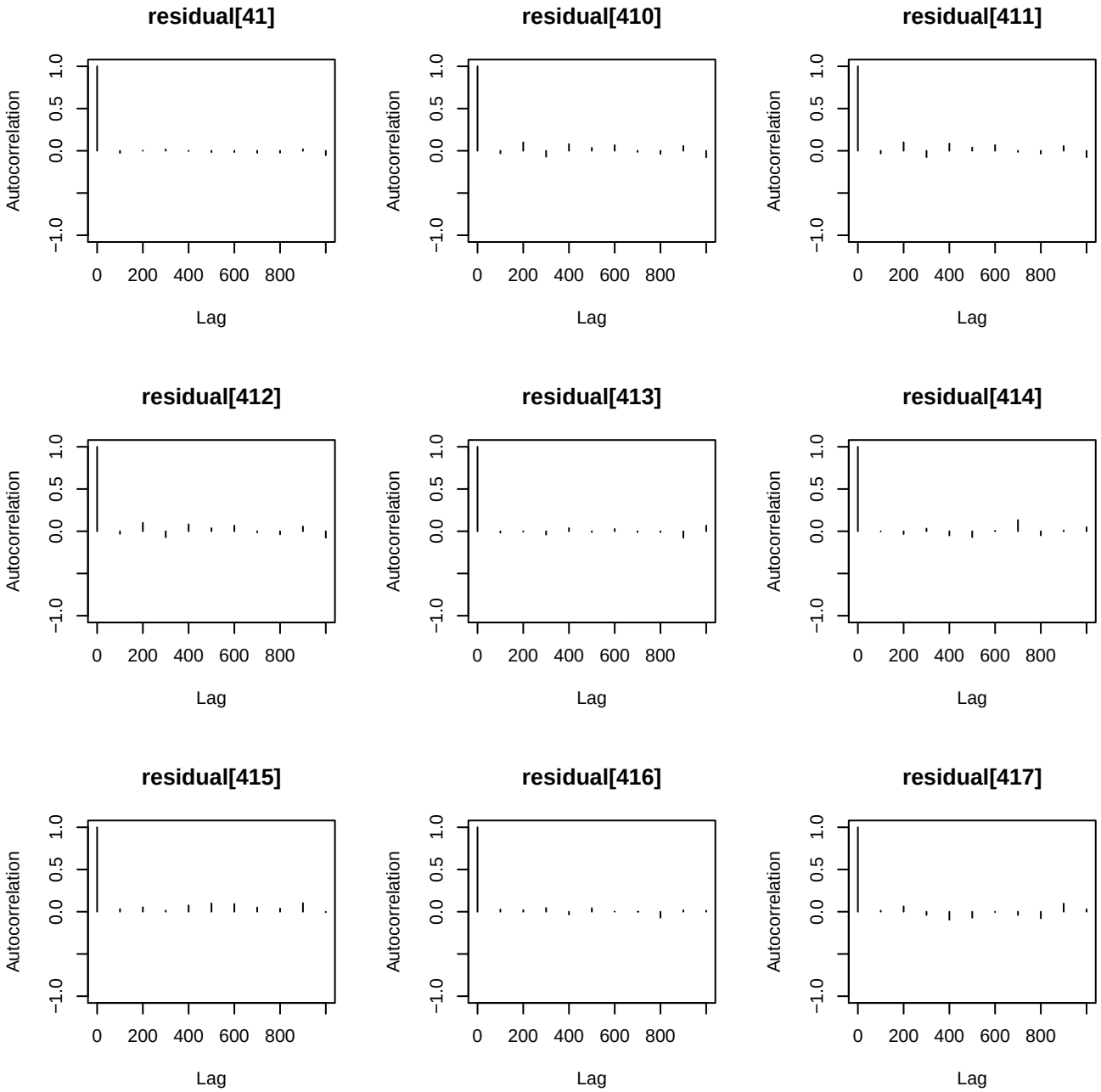

residual[37]
residual[370]
residual[371]
residual[372]
residual[373]
residual[374]
residual[375]
residual[376]
residual[377]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

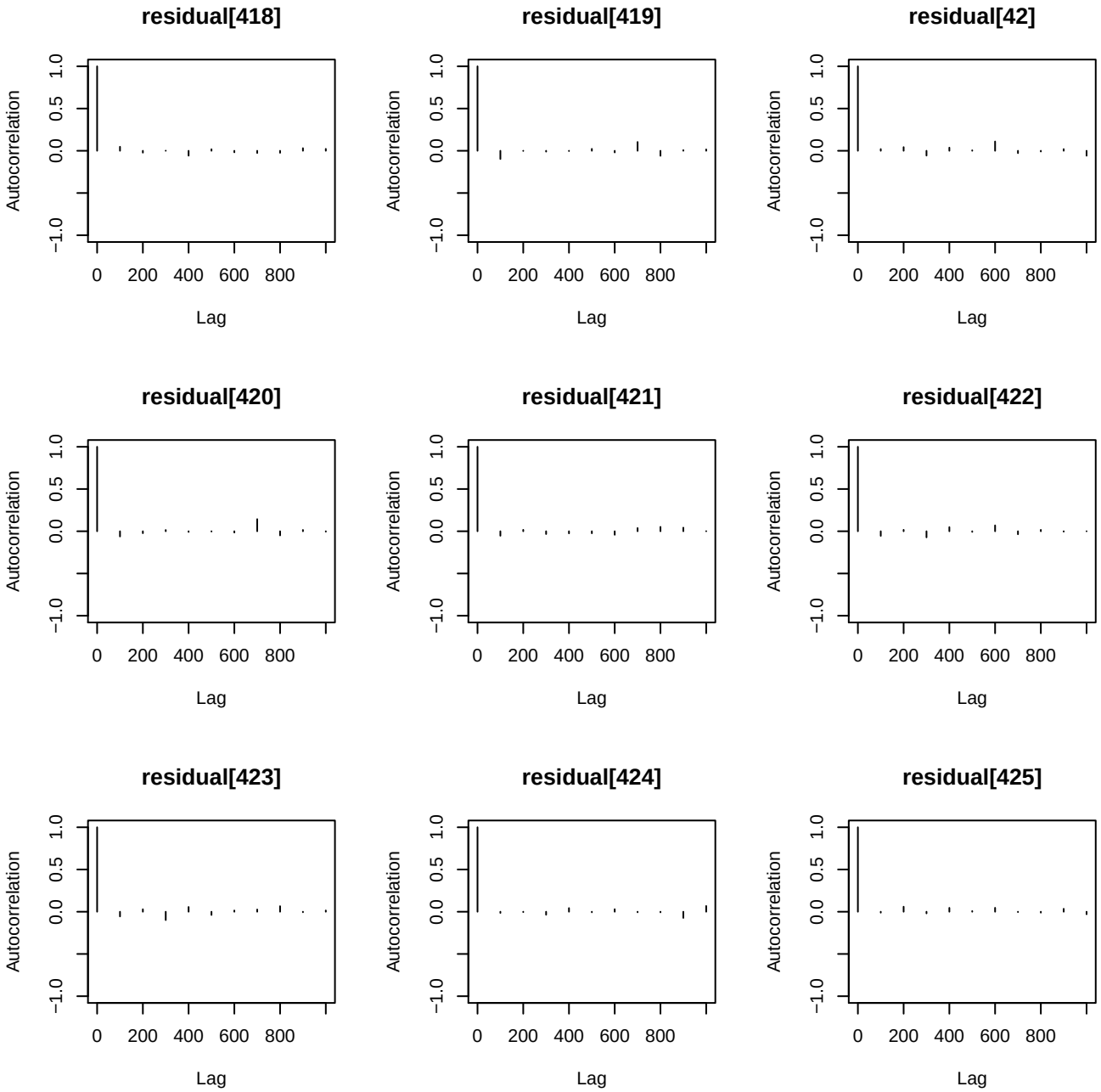

residual[378]
residual[379]
residual[38]
residual[380]
residual[381]
residual[382]
residual[383]
residual[384]
residual[385]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

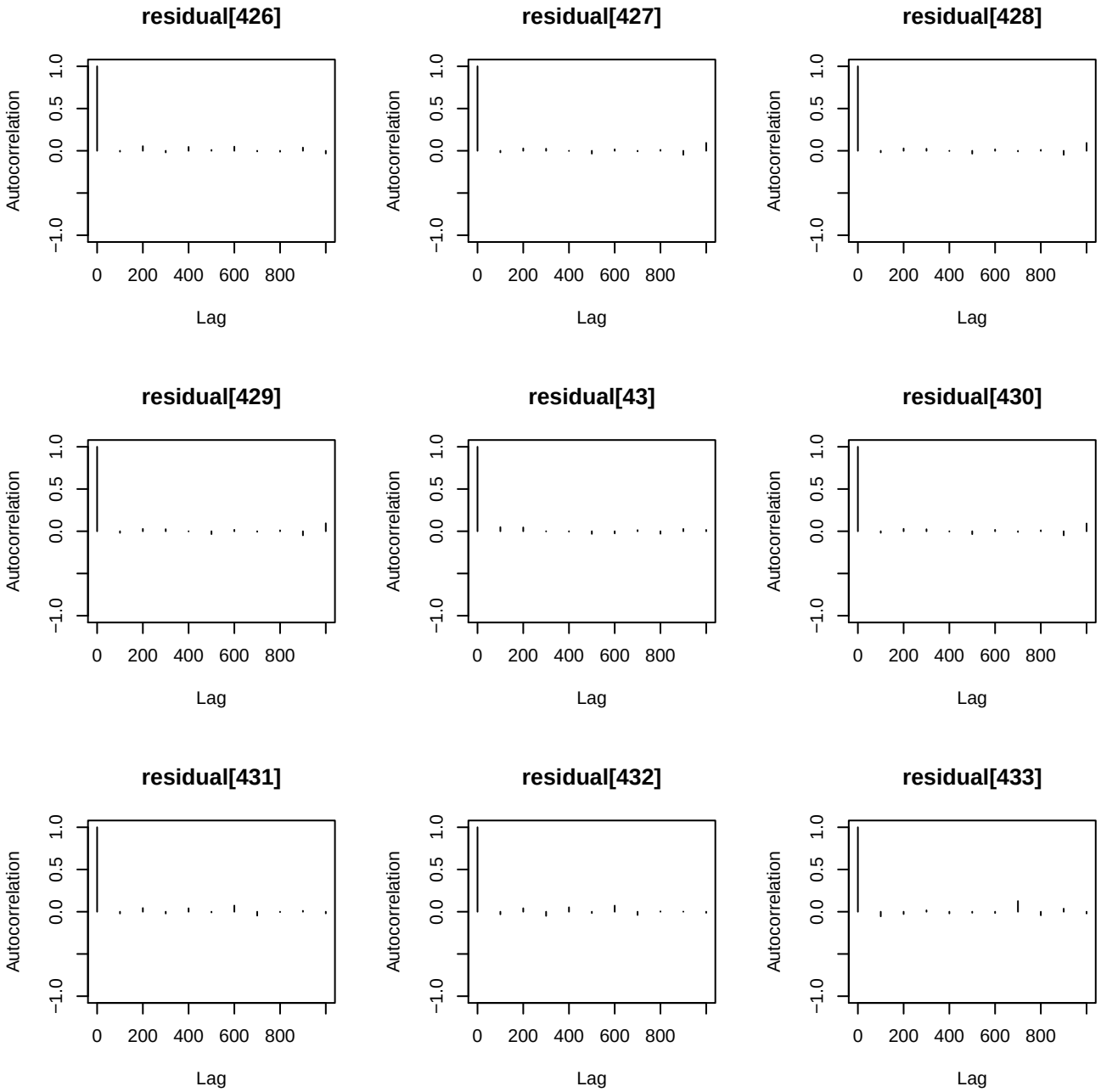

residual[386]
residual[387]
residual[388]
residual[389]
residual[39]
residual[390]
residual[391]
residual[392]
residual[393]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

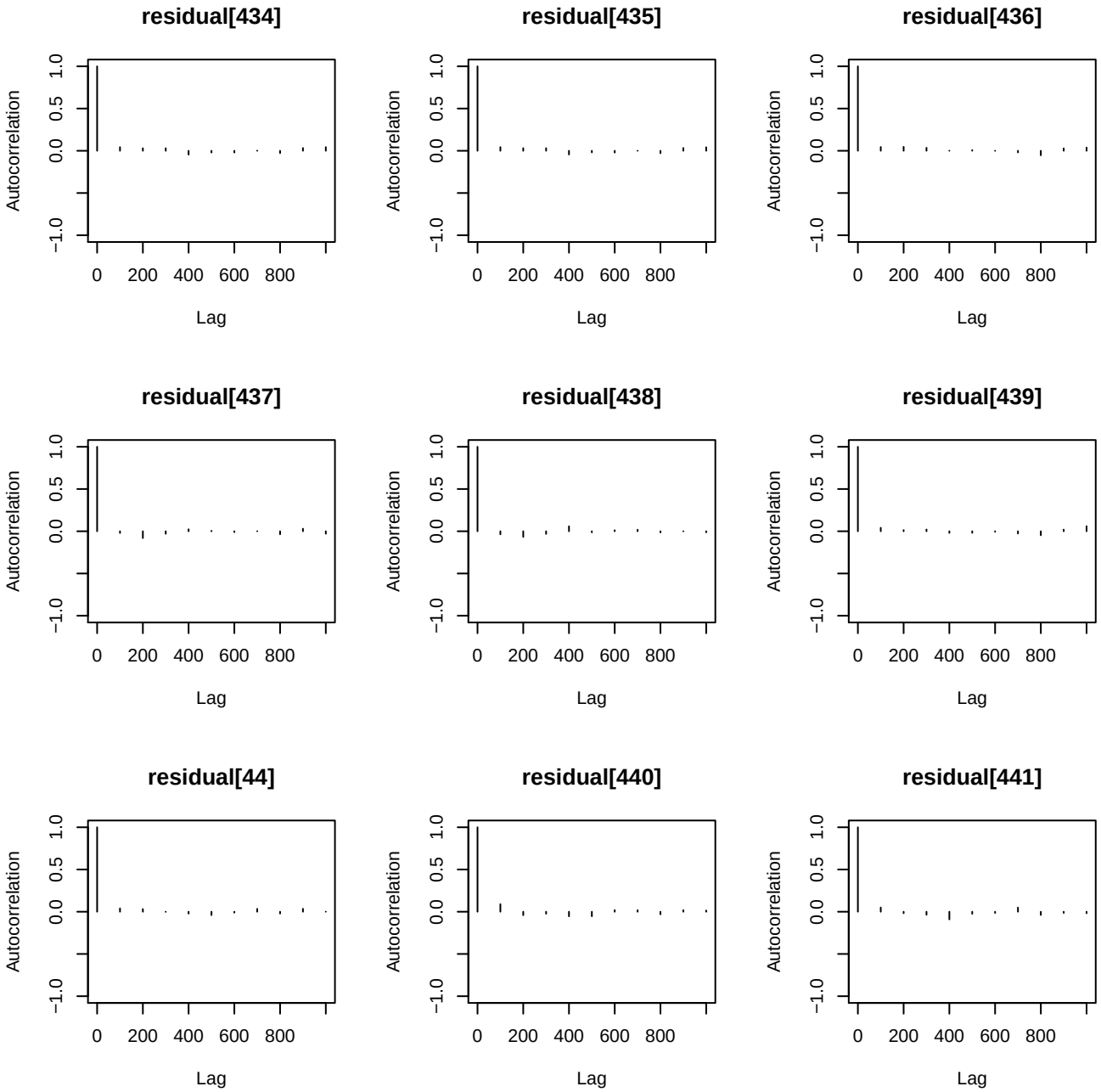

residual[394]
residual[395]
residual[396]
residual[397]
residual[398]
residual[399]
residual[4]
residual[40]
residual[400]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

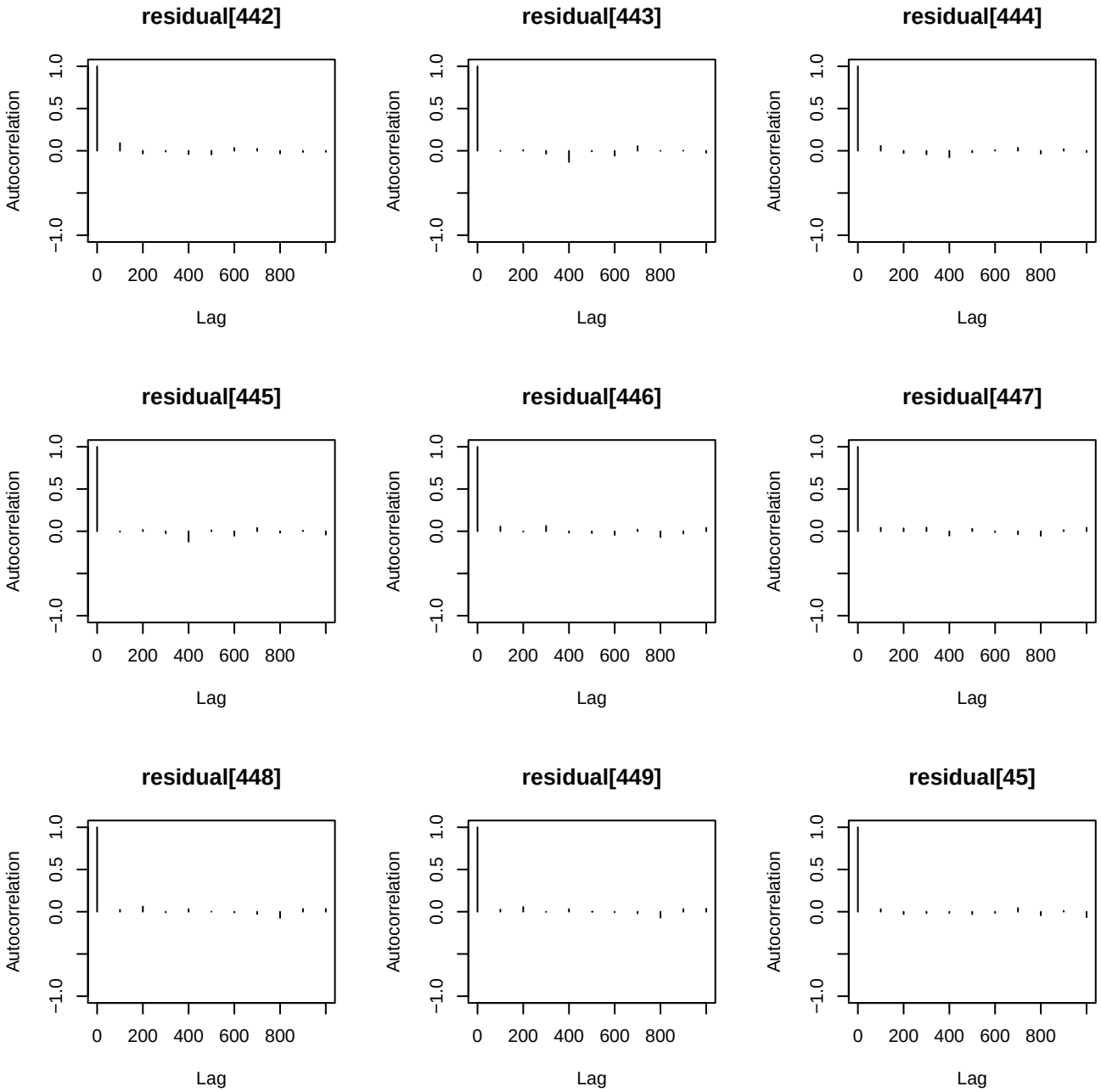

residual[401]
residual[402]
residual[403]
residual[404]
residual[405]
residual[406]
residual[407]
residual[408]
residual[409]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

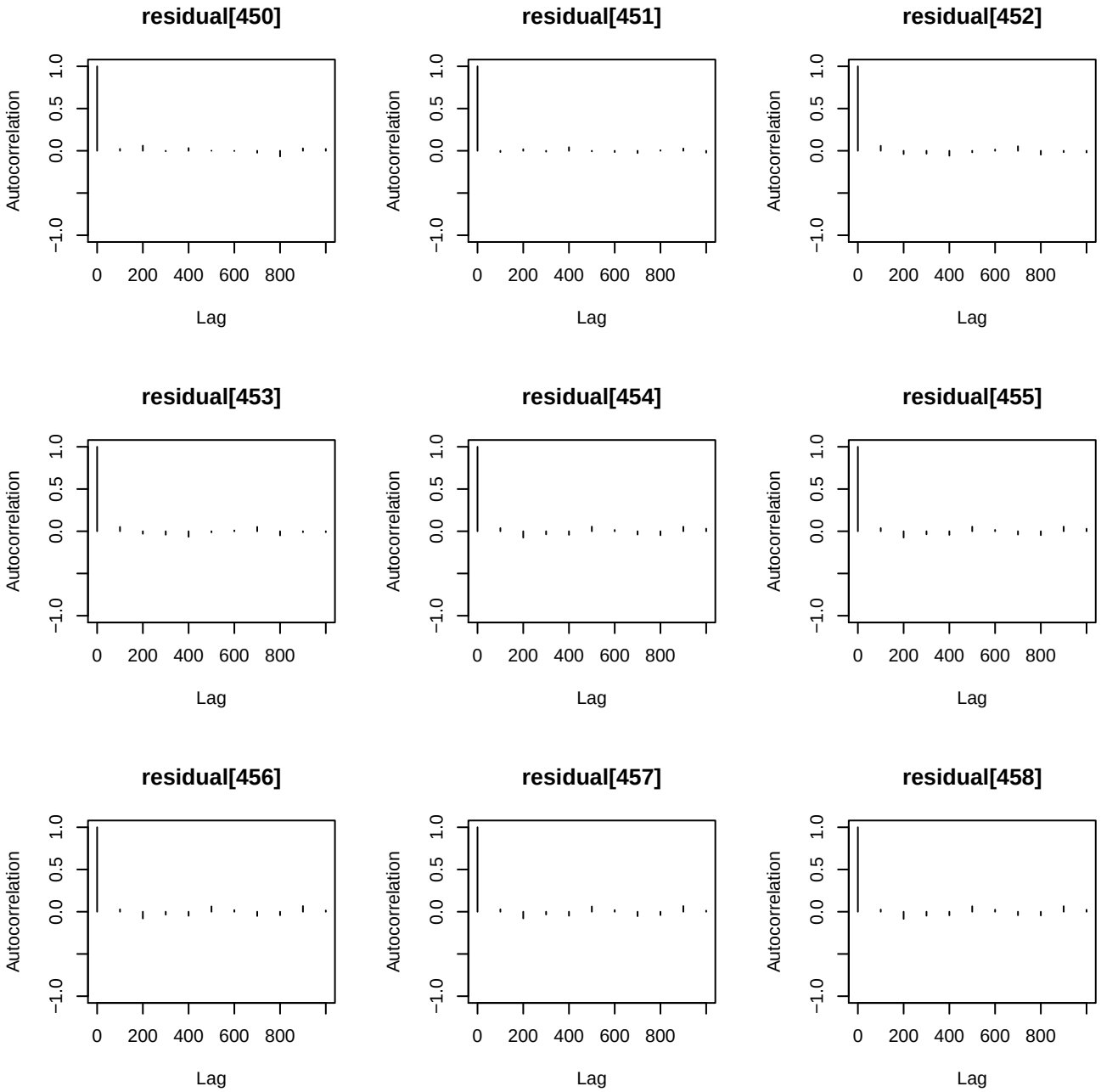

residual[41]
residual[410]
residual[411]
residual[412]
residual[413]
residual[414]
residual[415]
residual[416]
residual[417]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

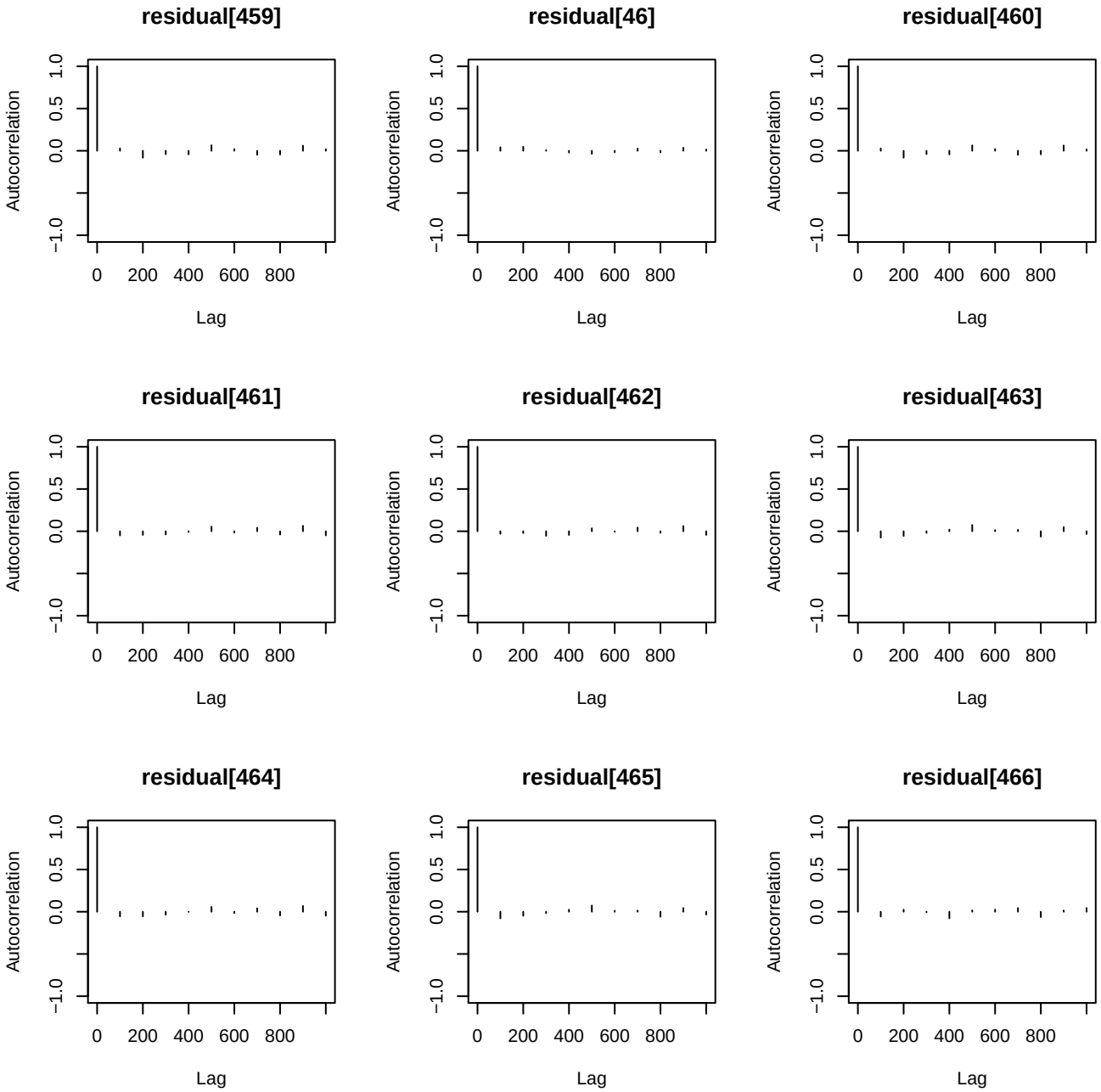

residual[418]
residual[419]
residual[42]
residual[420]
residual[421]
residual[422]
residual[423]
residual[424]
residual[425]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

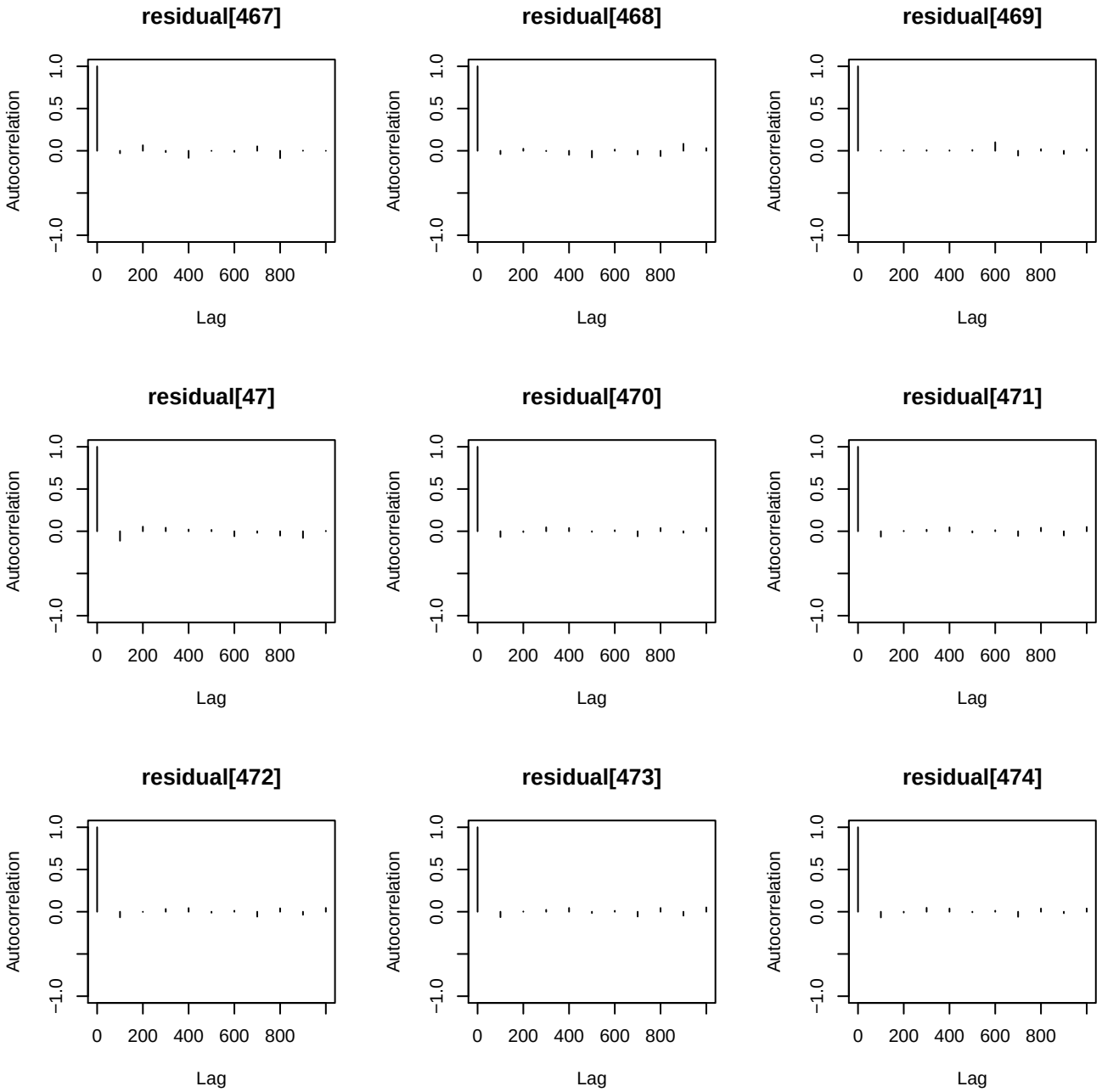

residual[426]
residual[427]
residual[428]
residual[429]
residual[43]
residual[430]
residual[431]
residual[432]
residual[433]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

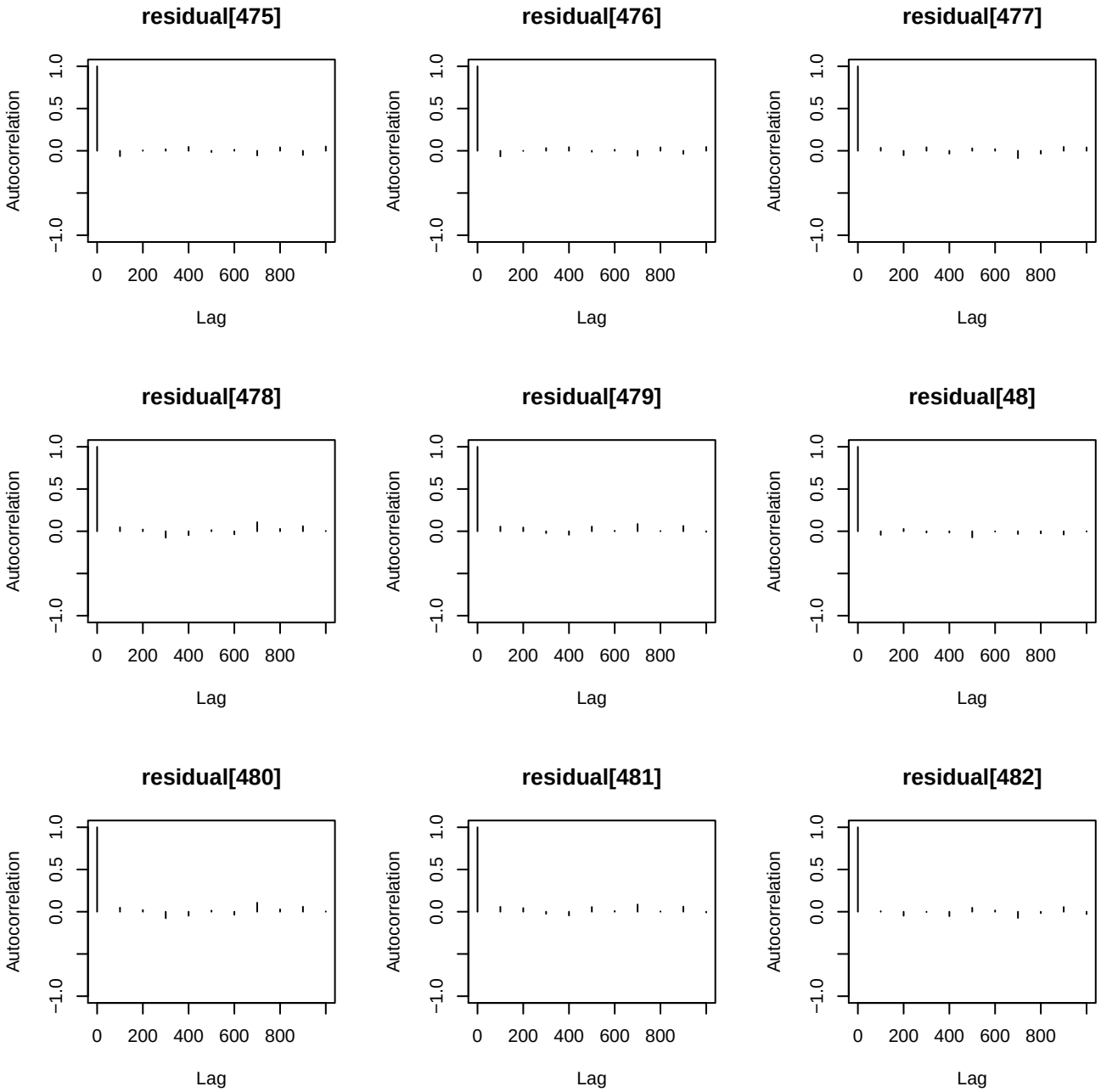

residual[434]
residual[435]
residual[436]
residual[437]
residual[438]
residual[439]
residual[44]
residual[440]
residual[441]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

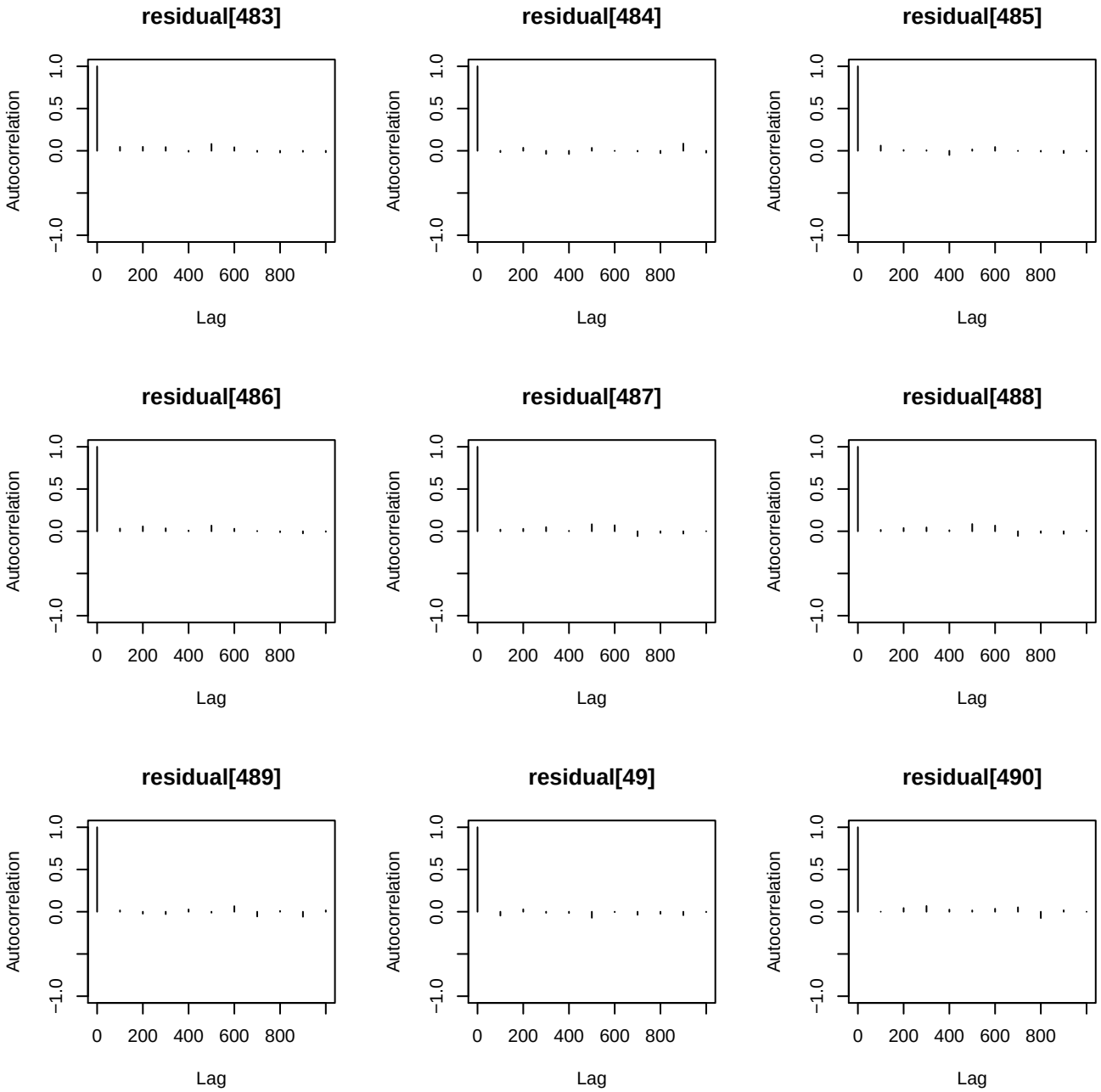

residual[442]
residual[443]
residual[444]
residual[445]
residual[446]
residual[447]
residual[448]
residual[449]
residual[45]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

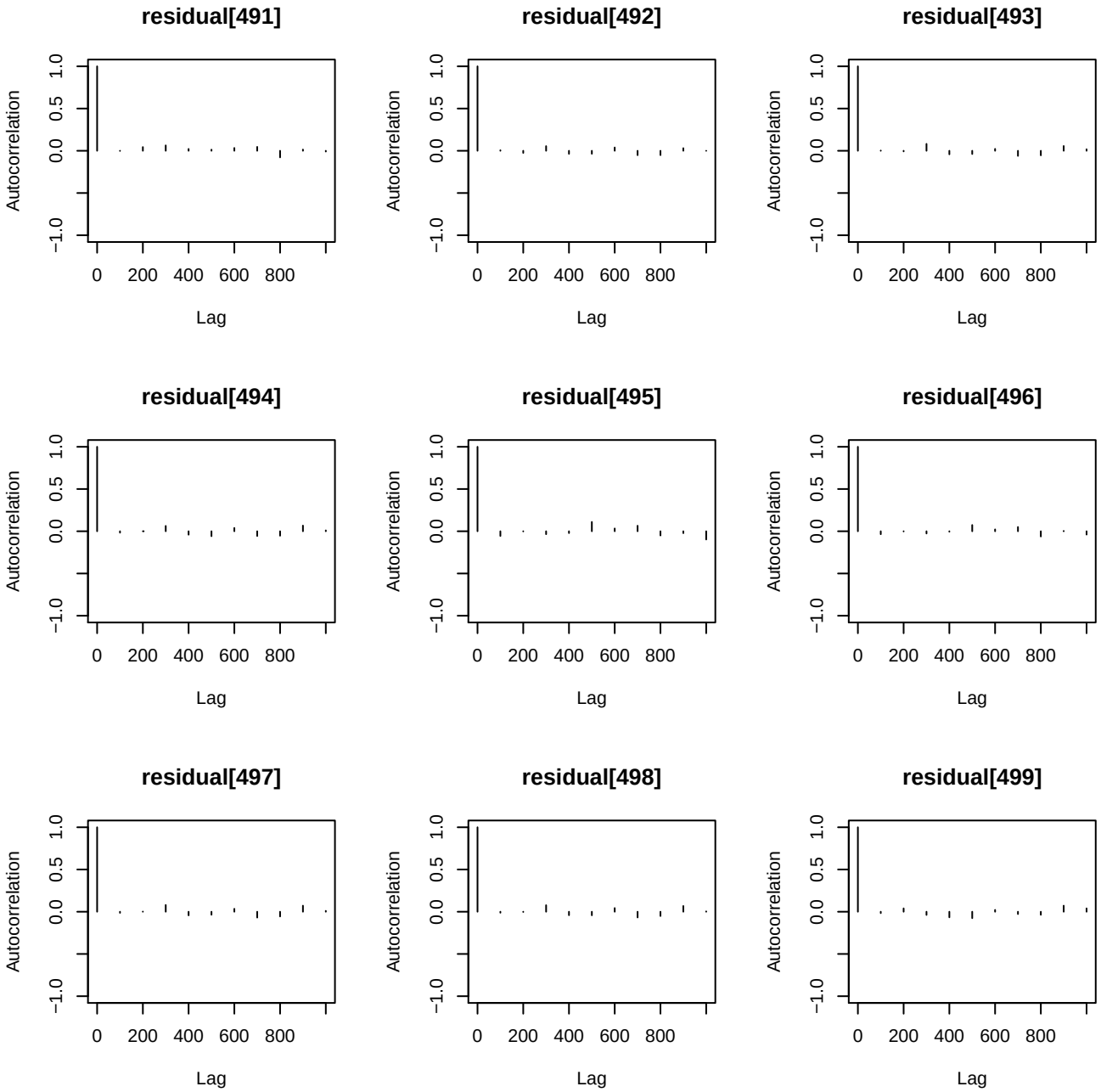

residual[450]
residual[451]
residual[452]
residual[453]
residual[454]
residual[455]
residual[456]
residual[457]
residual[458]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

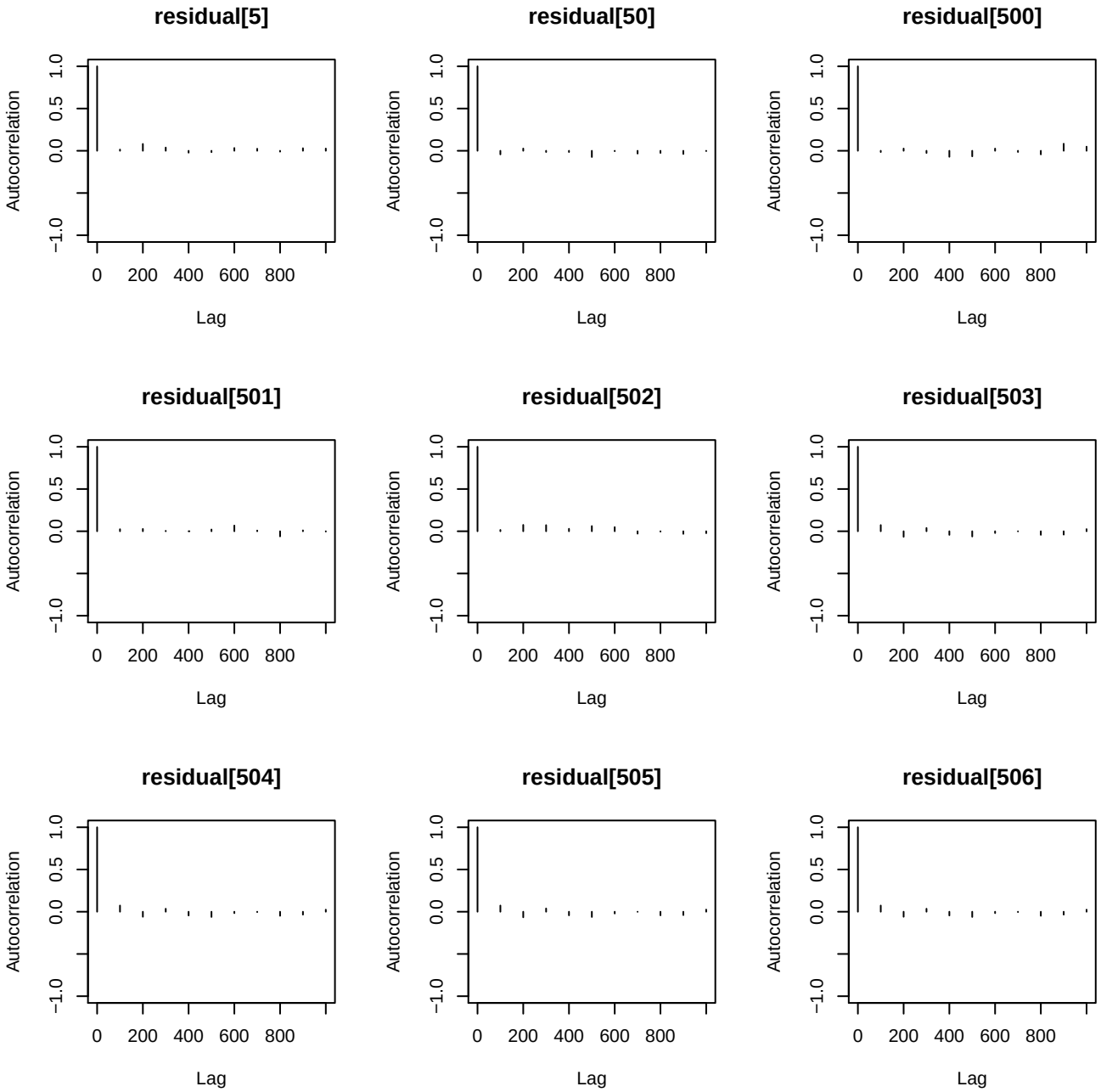

residual[459]
residual[46]
residual[460]
residual[461]
residual[462]
residual[463]
residual[464]
residual[465]
residual[466]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

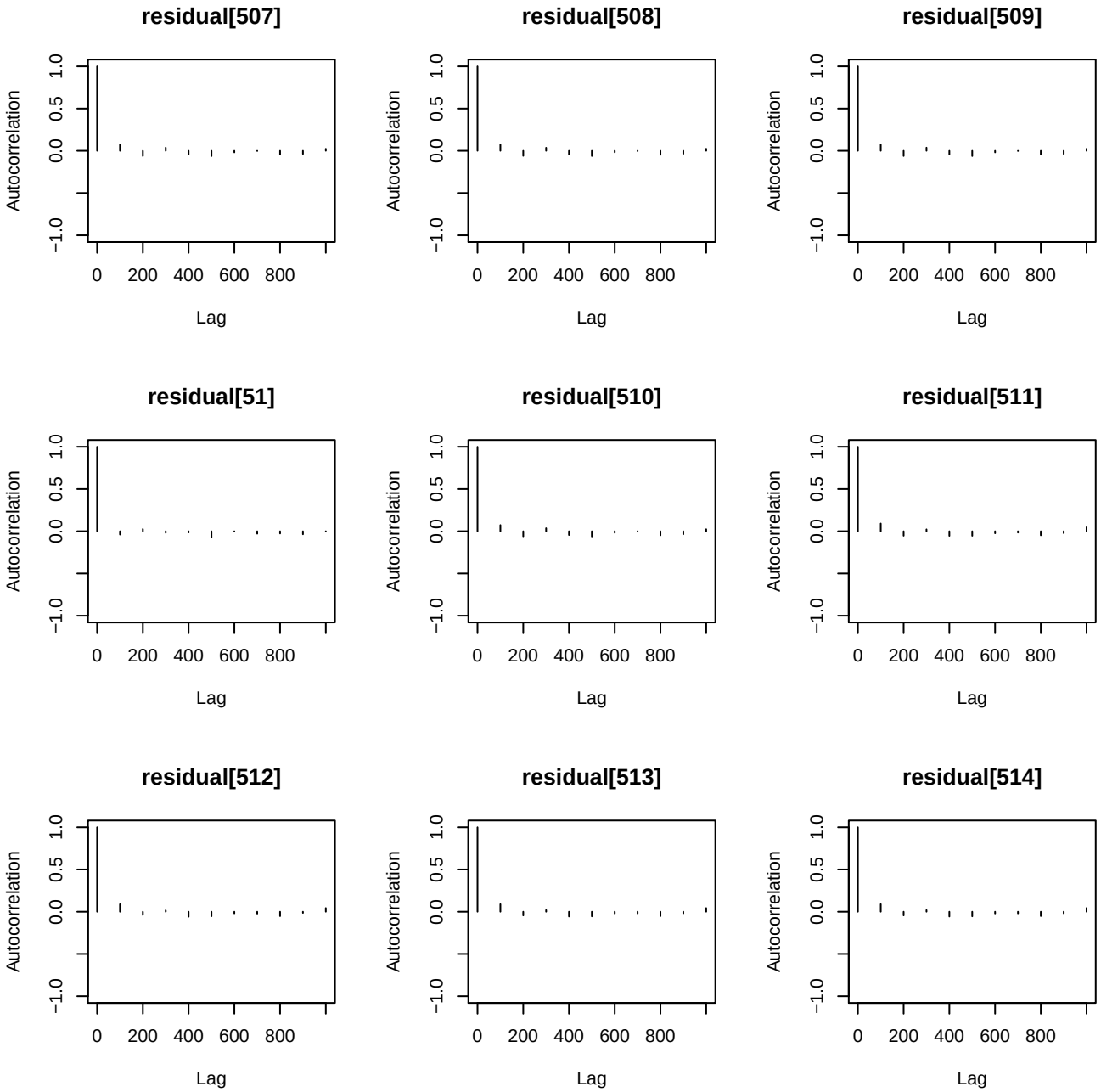

residual[467]
residual[468]
residual[469]
residual[47]
residual[470]
residual[471]
residual[472]
residual[473]
residual[474]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

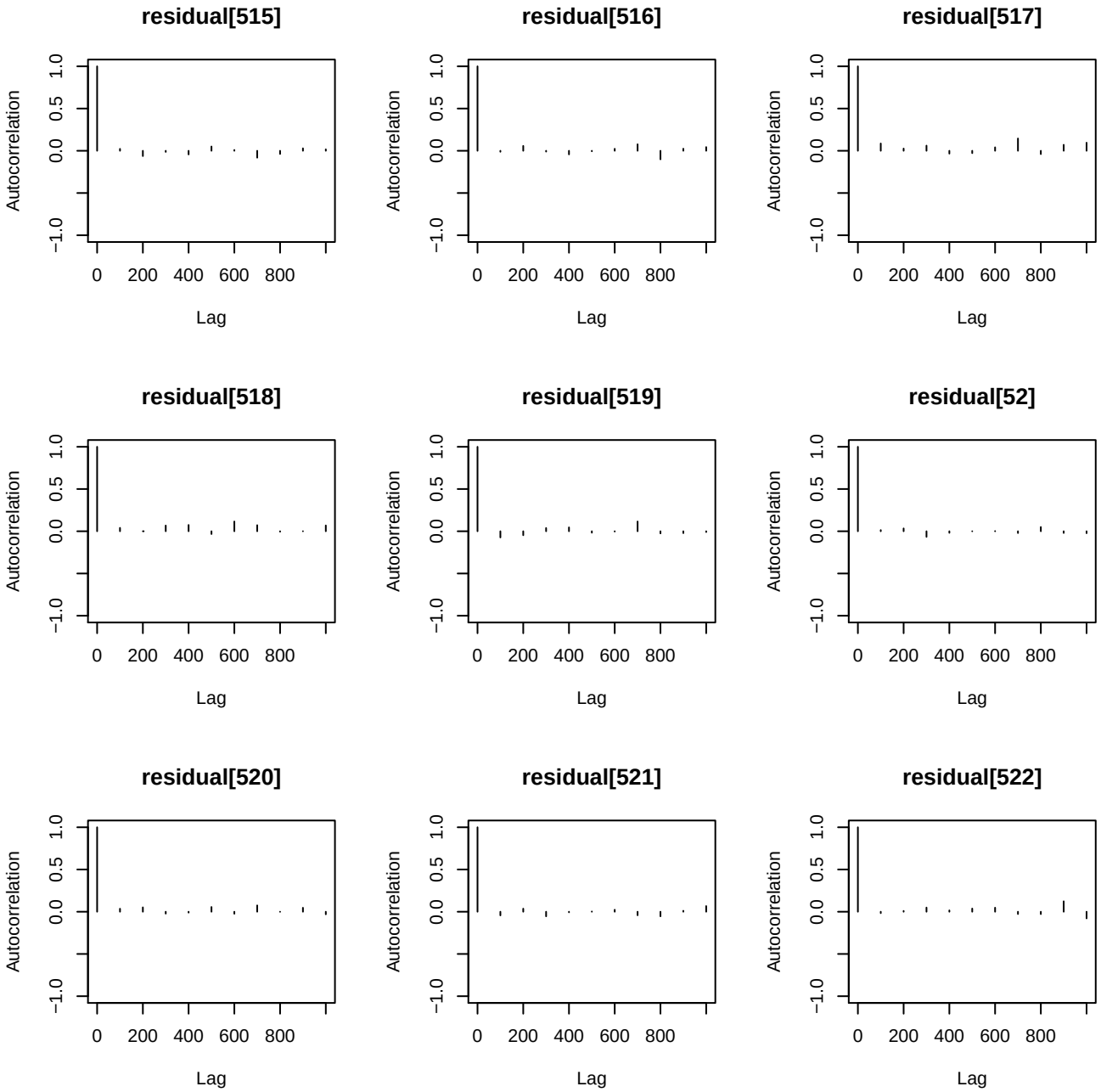

residual[475]
residual[476]
residual[477]
residual[478]
residual[479]
residual[48]
residual[480]
residual[481]
residual[482]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

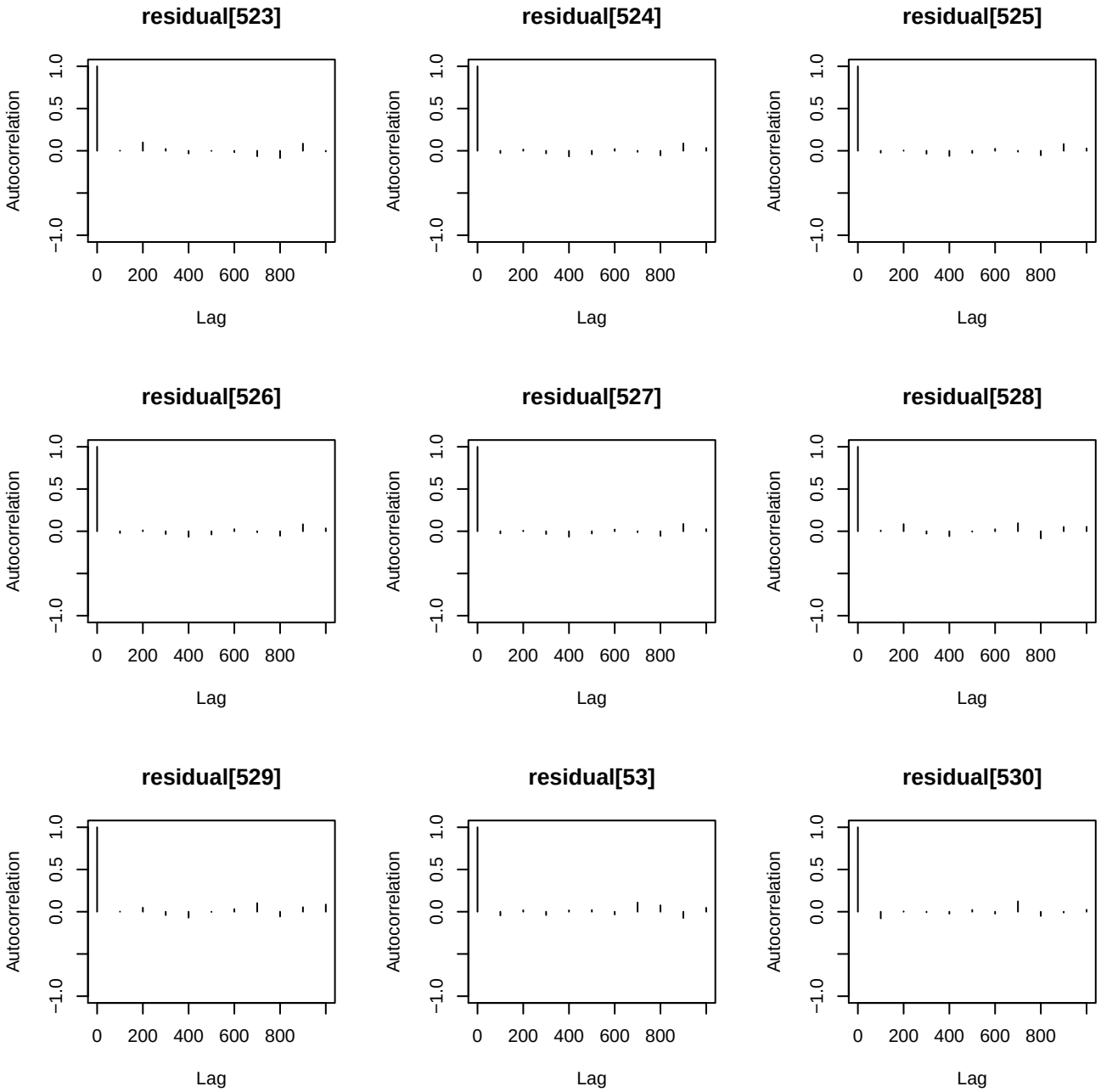

residual[483]
residual[484]
residual[485]
residual[486]
residual[487]
residual[488]
residual[489]
residual[49]
residual[490]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

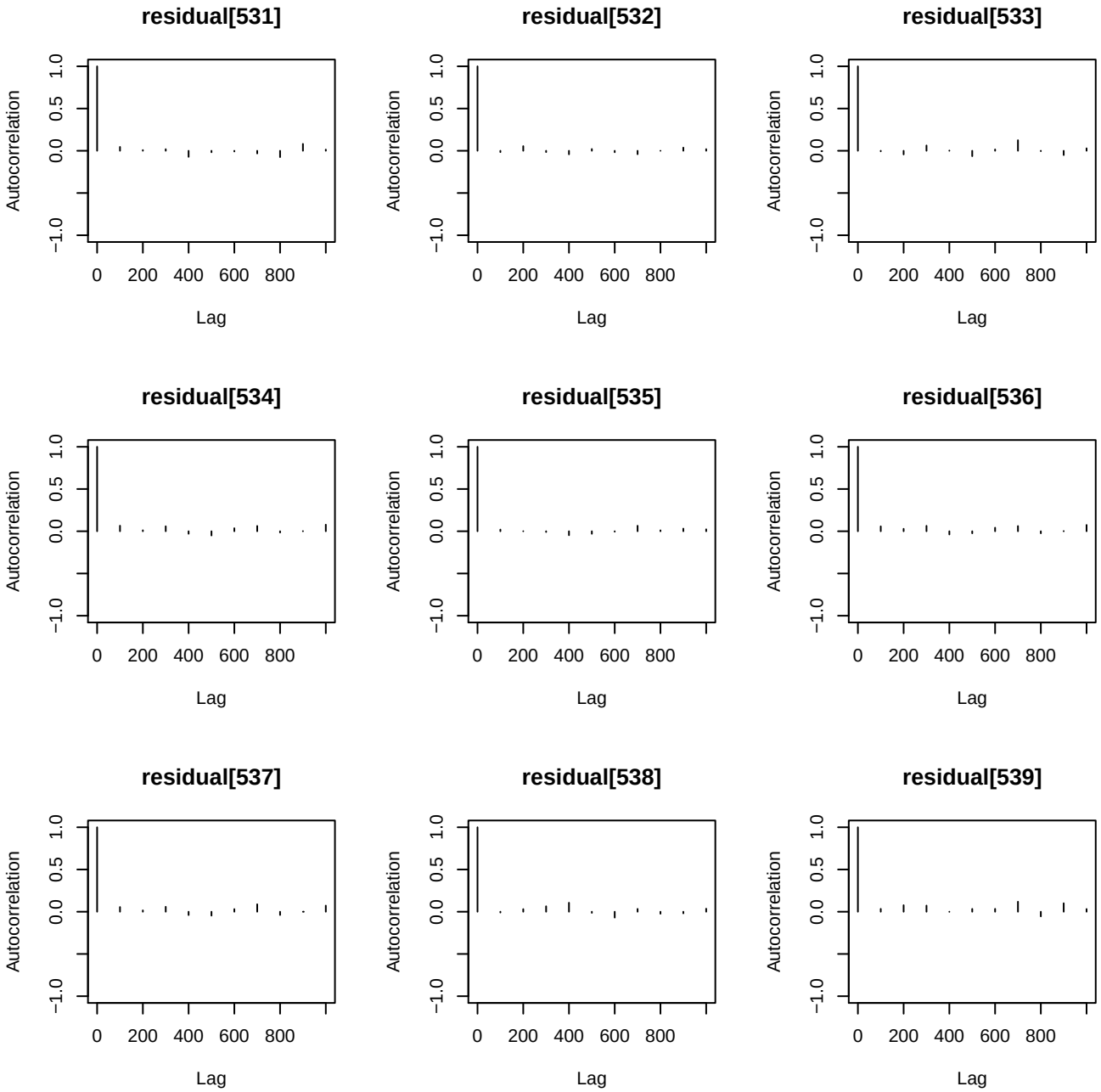

residual[491]
residual[492]
residual[493]
residual[494]
residual[495]
residual[496]
residual[497]
residual[498]
residual[499]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

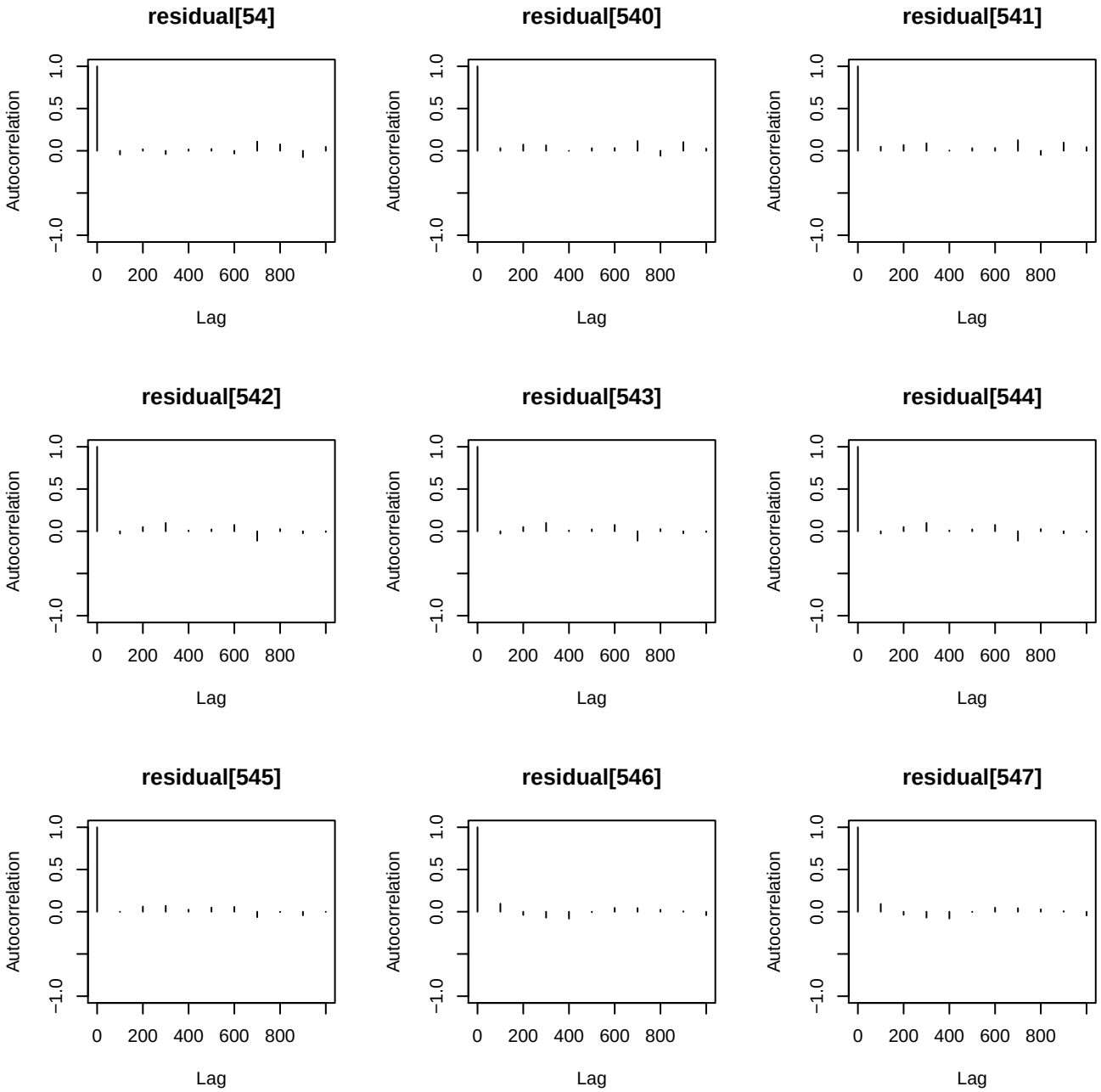

residual[5]
residual[50]
residual[500]
residual[501]
residual[502]
residual[503]
residual[504]
residual[505]
residual[506]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

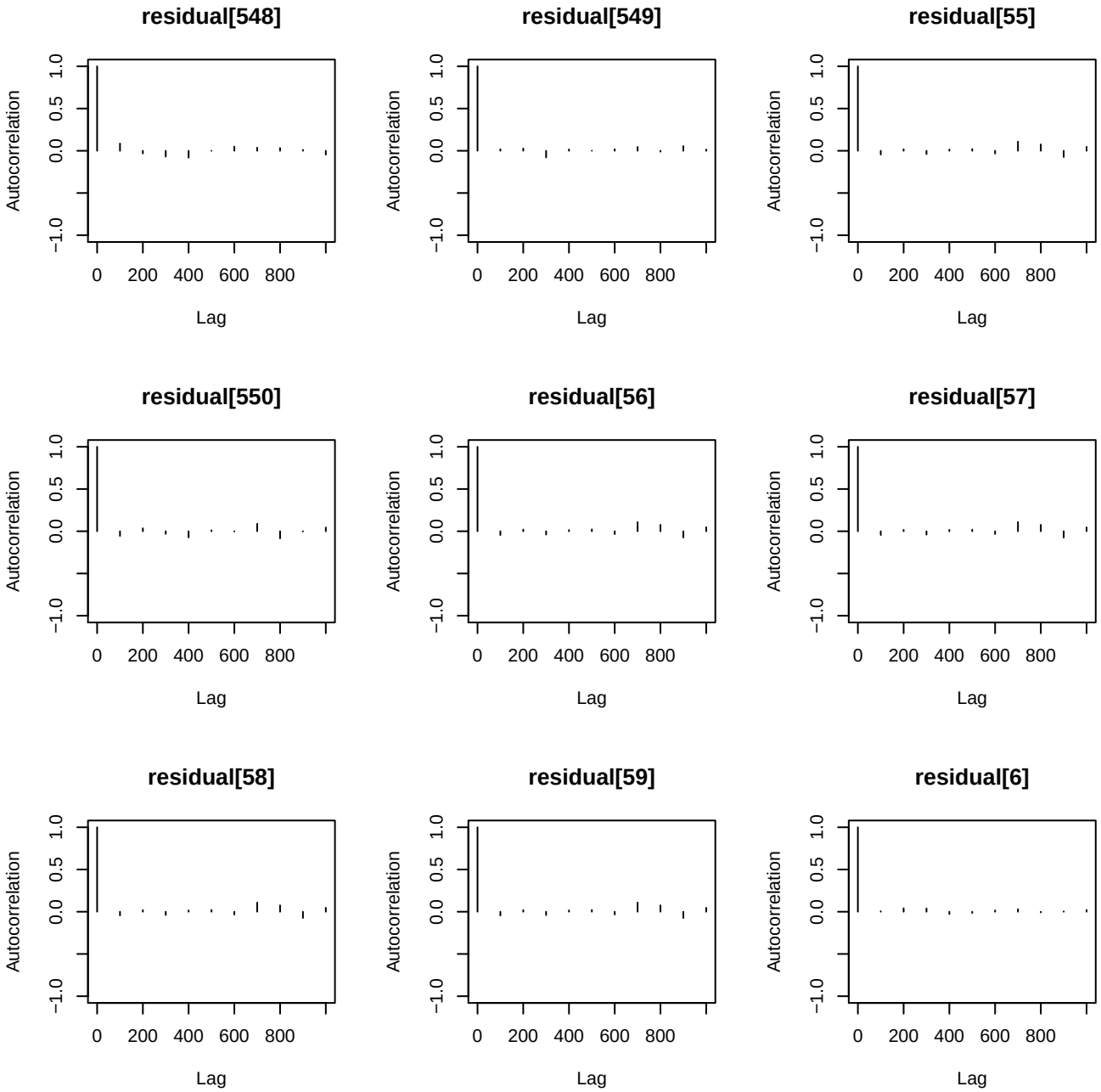

residual[507]
residual[508]
residual[509]
residual[51]
residual[510]
residual[511]
residual[512]
residual[513]
residual[514]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

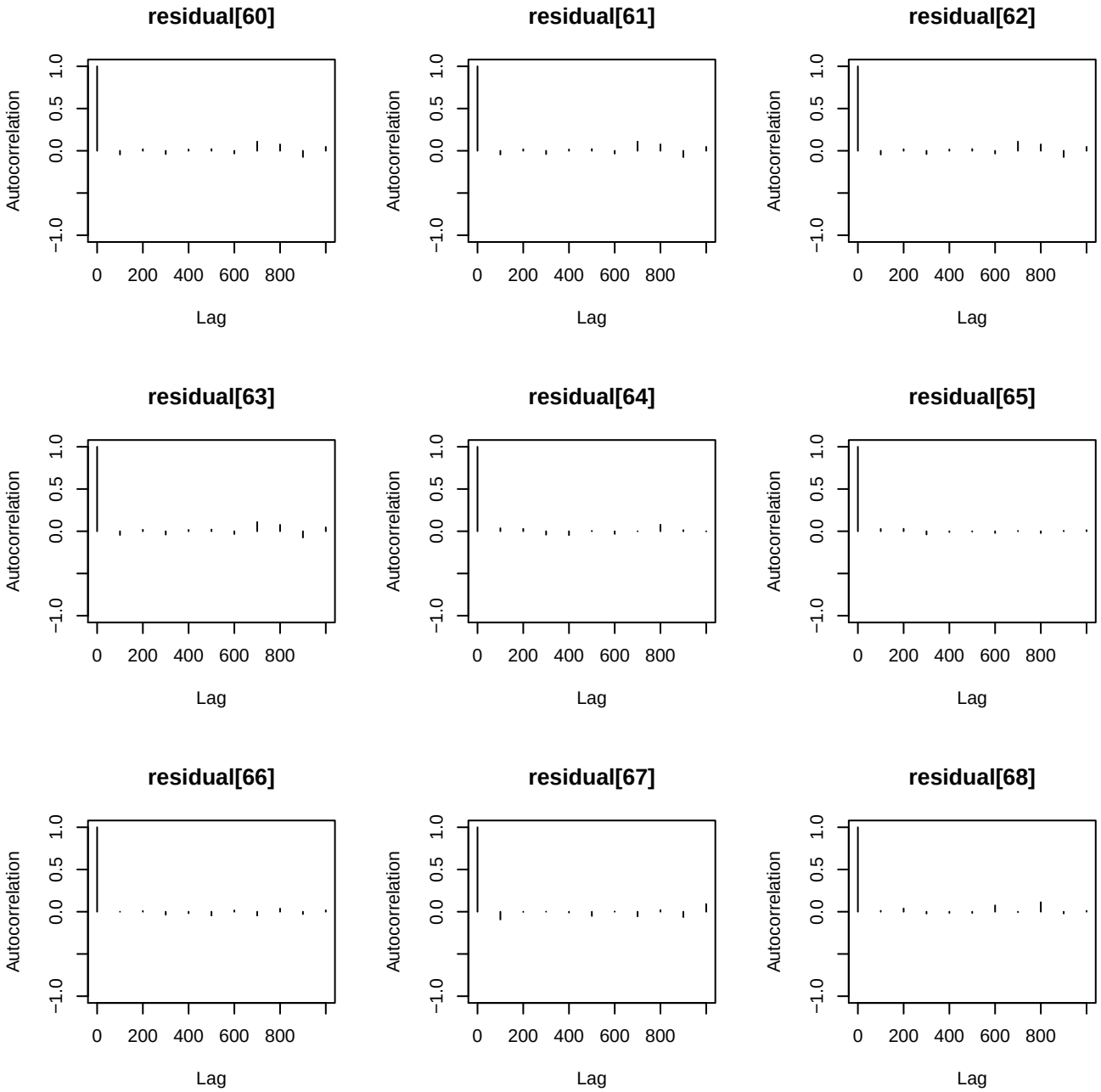

residual[515]
residual[516]
residual[517]
residual[518]
residual[519]
residual[52]
residual[520]
residual[521]
residual[522]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

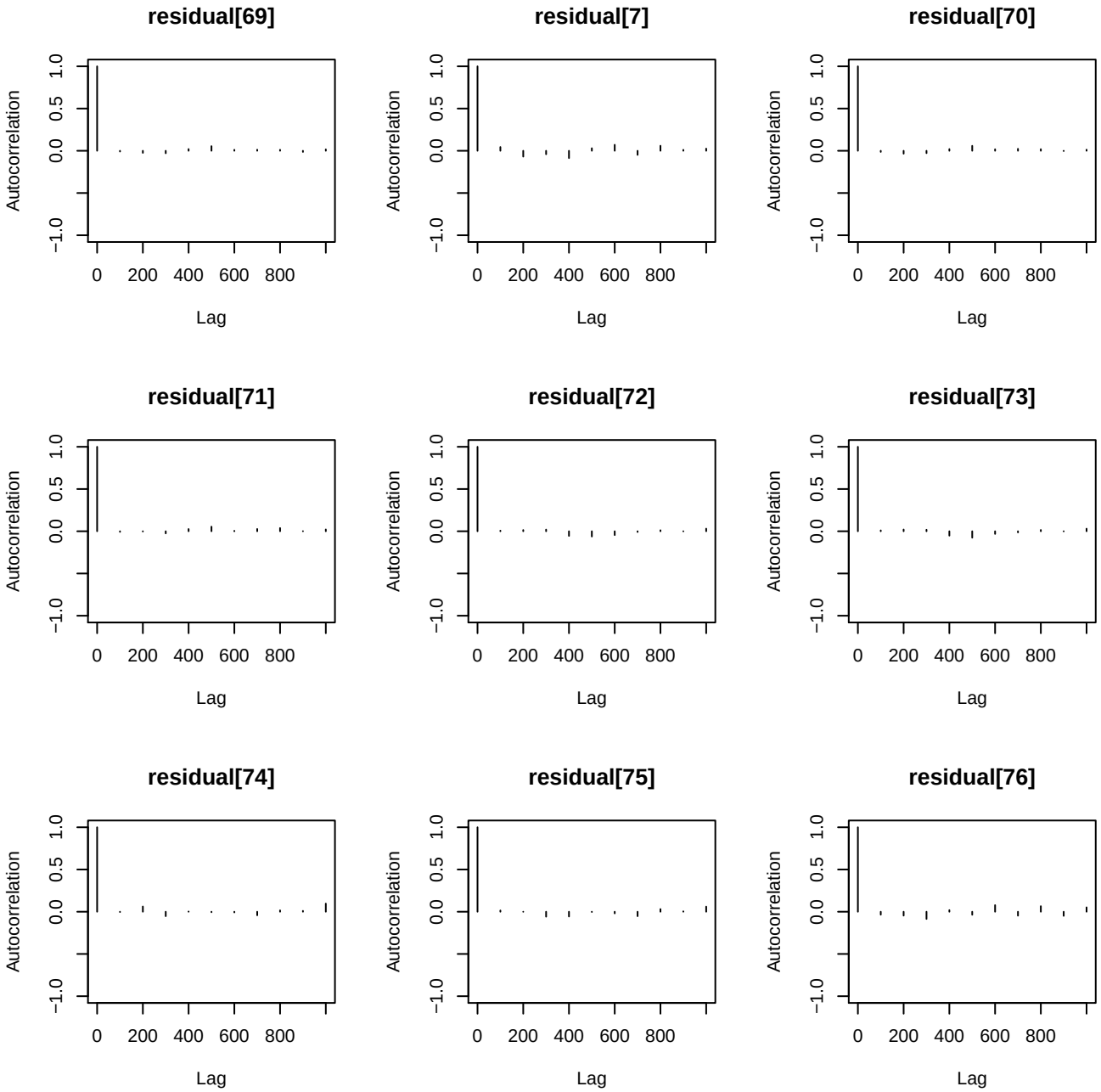

residual[523]
residual[524]
residual[525]
residual[526]
residual[527]
residual[528]
residual[529]
residual[53]
residual[530]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

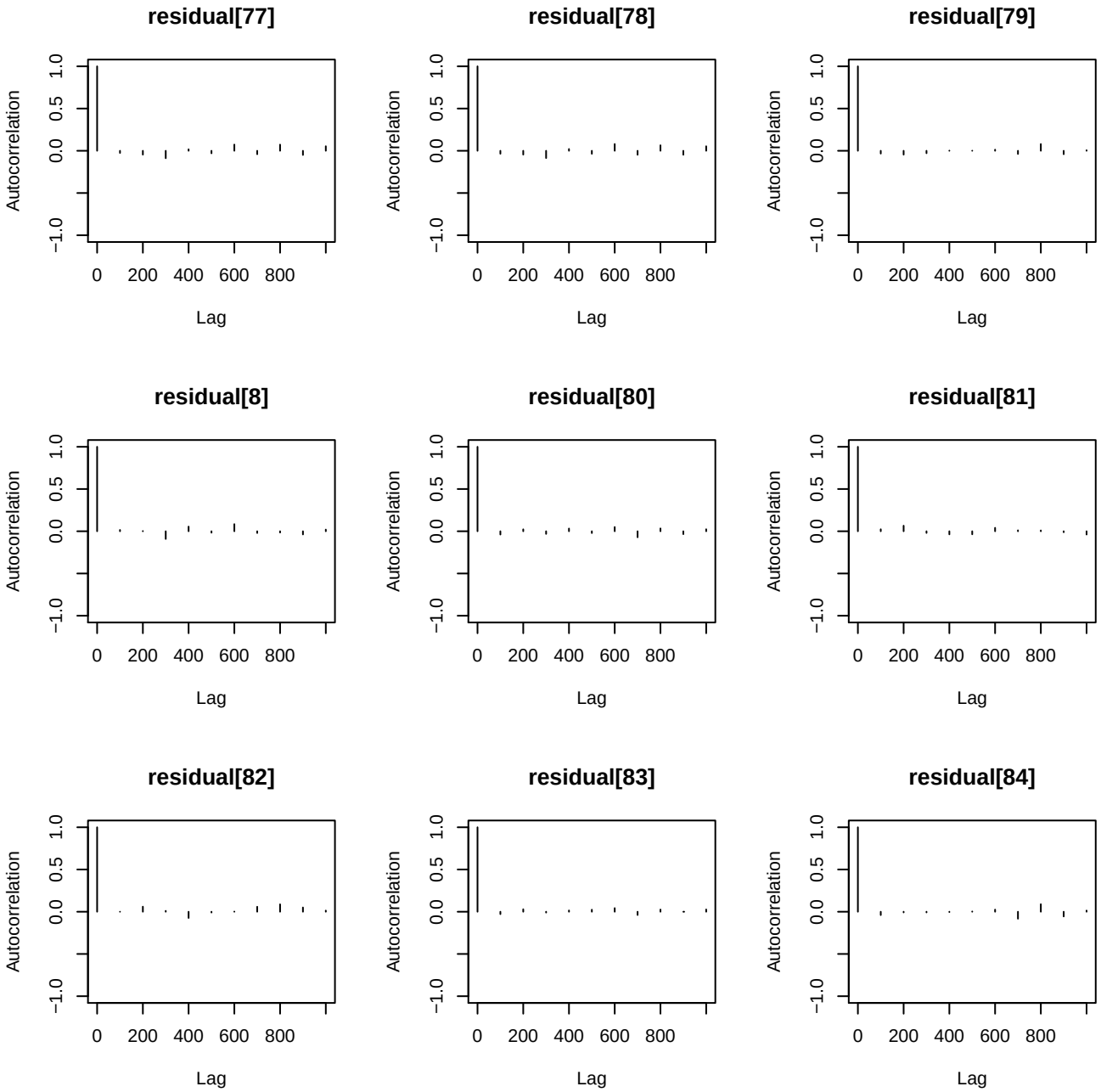

residual[531]
residual[532]
residual[533]
residual[534]
residual[535]
residual[536]
residual[537]
residual[538]
residual[539]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

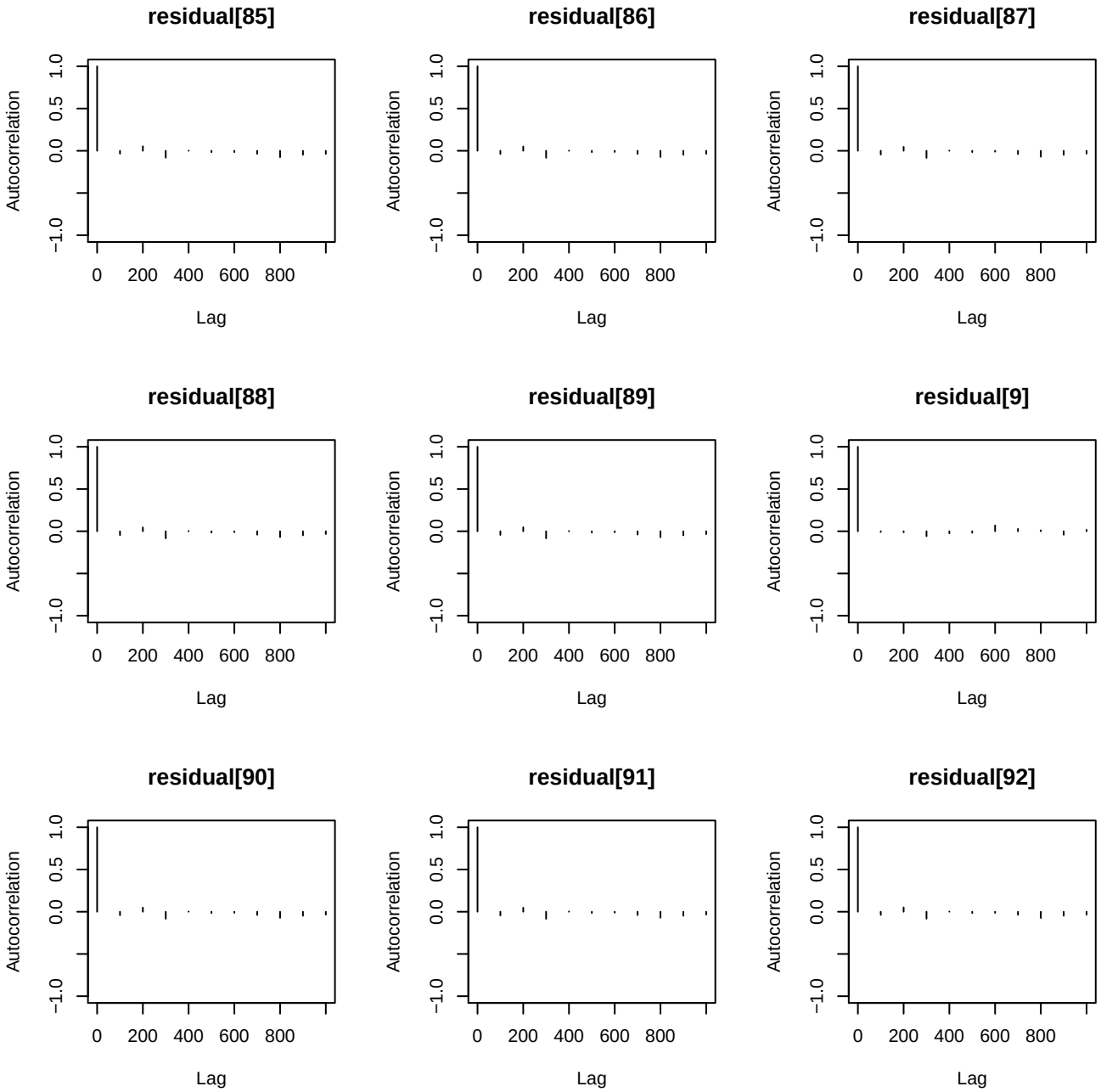

residual[54]
residual[540]
residual[541]
residual[542]
residual[543]
residual[544]
residual[545]
residual[546]
residual[547]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

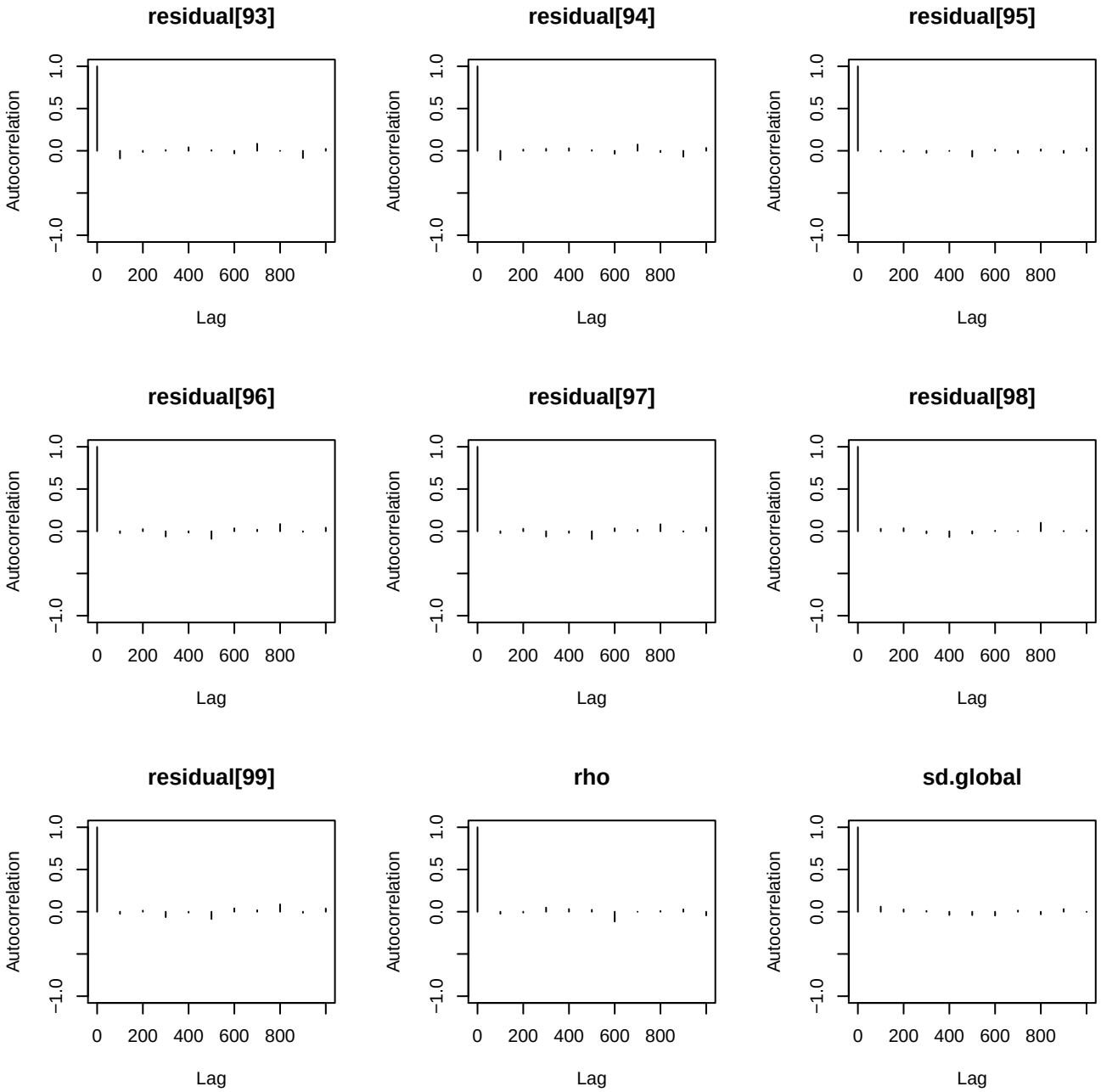

residual[548]
residual[549]
residual[55]
residual[550]
residual[56]
residual[57]
residual[58]
residual[59]
residual[6]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

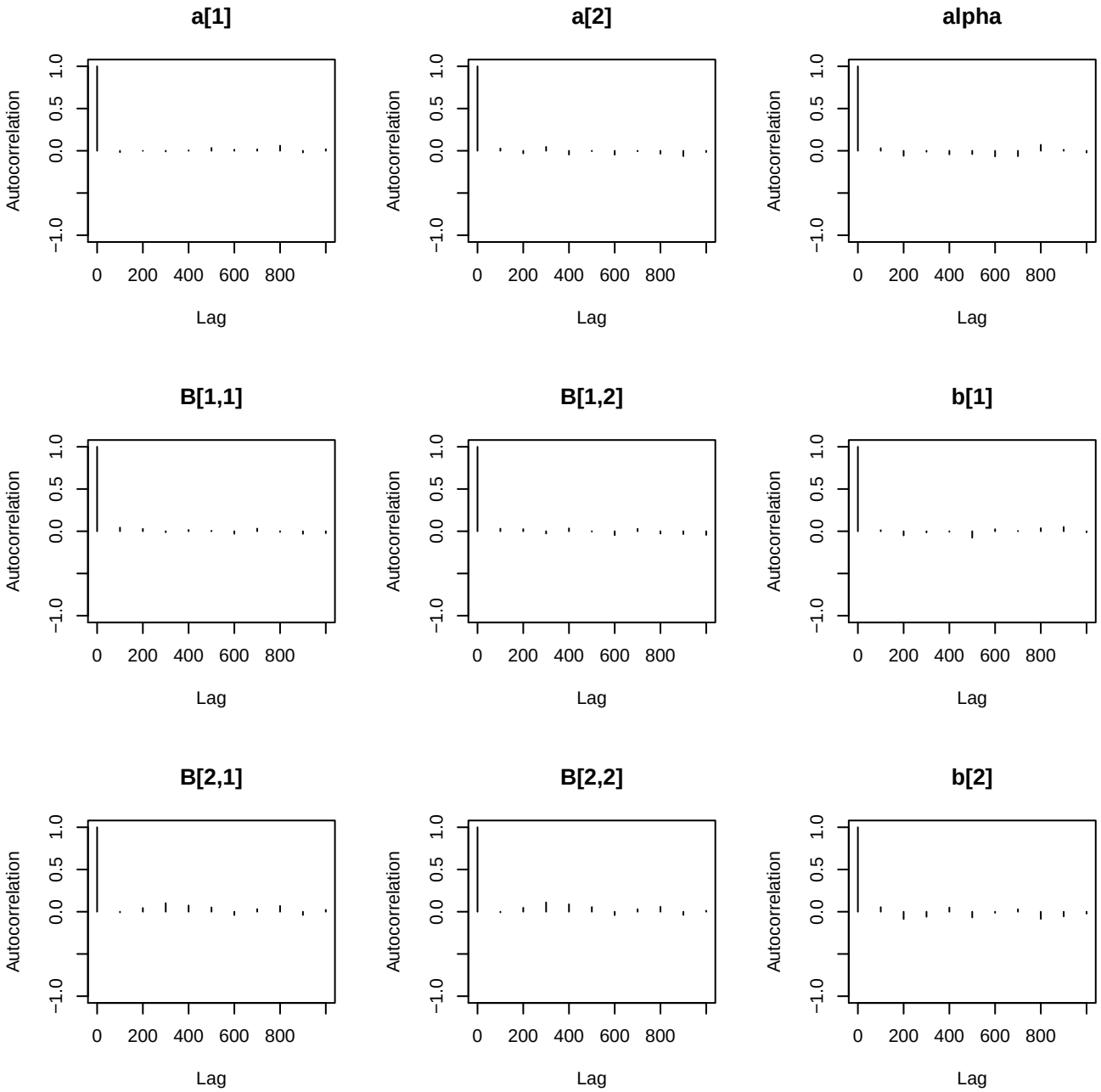

residual[60]
residual[61]
residual[62]
residual[63]
residual[64]
residual[65]
residual[66]
residual[67]
residual[68]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

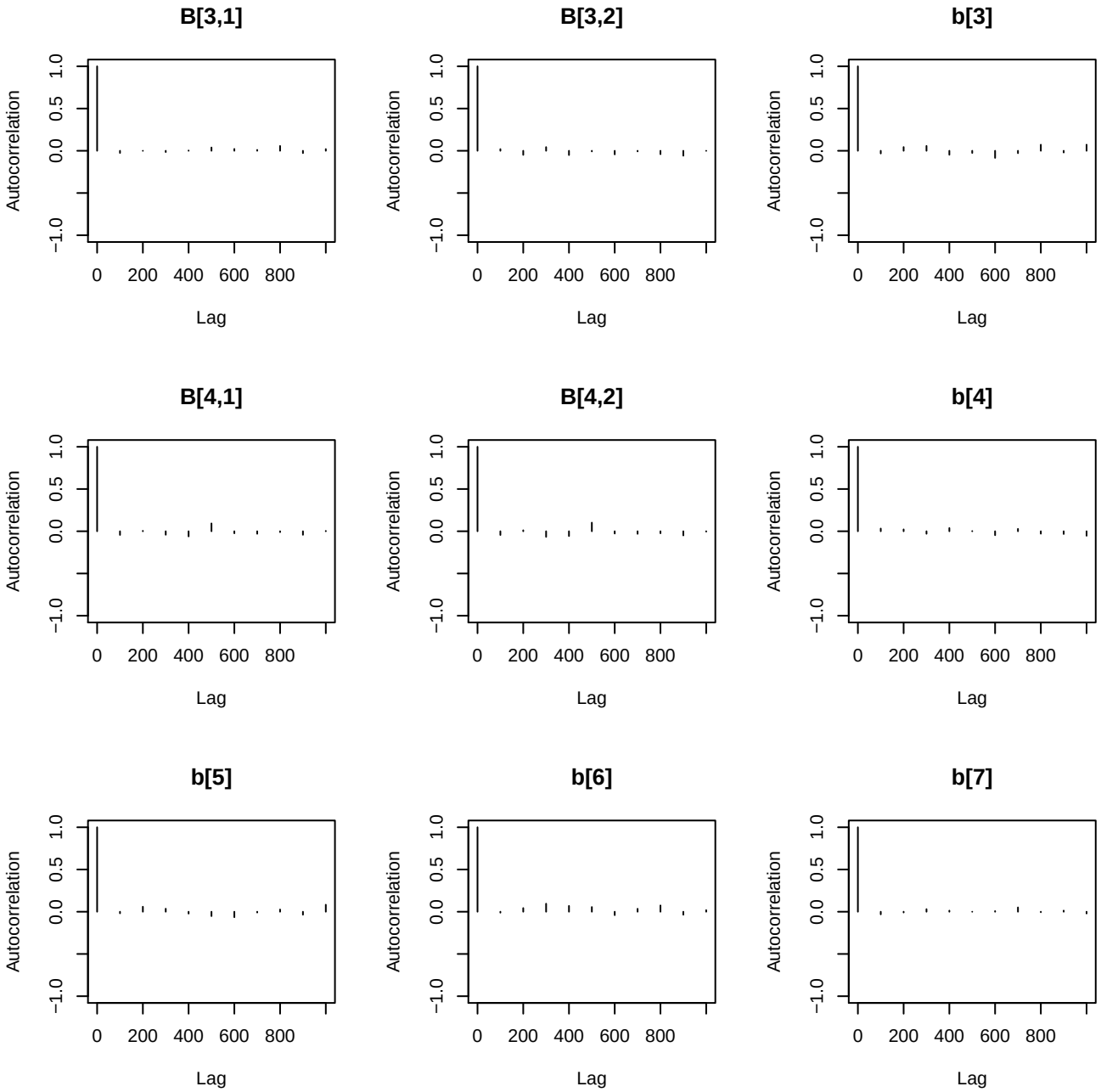

residual[69]
residual[7]
residual[70]
residual[71]
residual[72]
residual[73]
residual[74]
residual[75]
residual[76]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

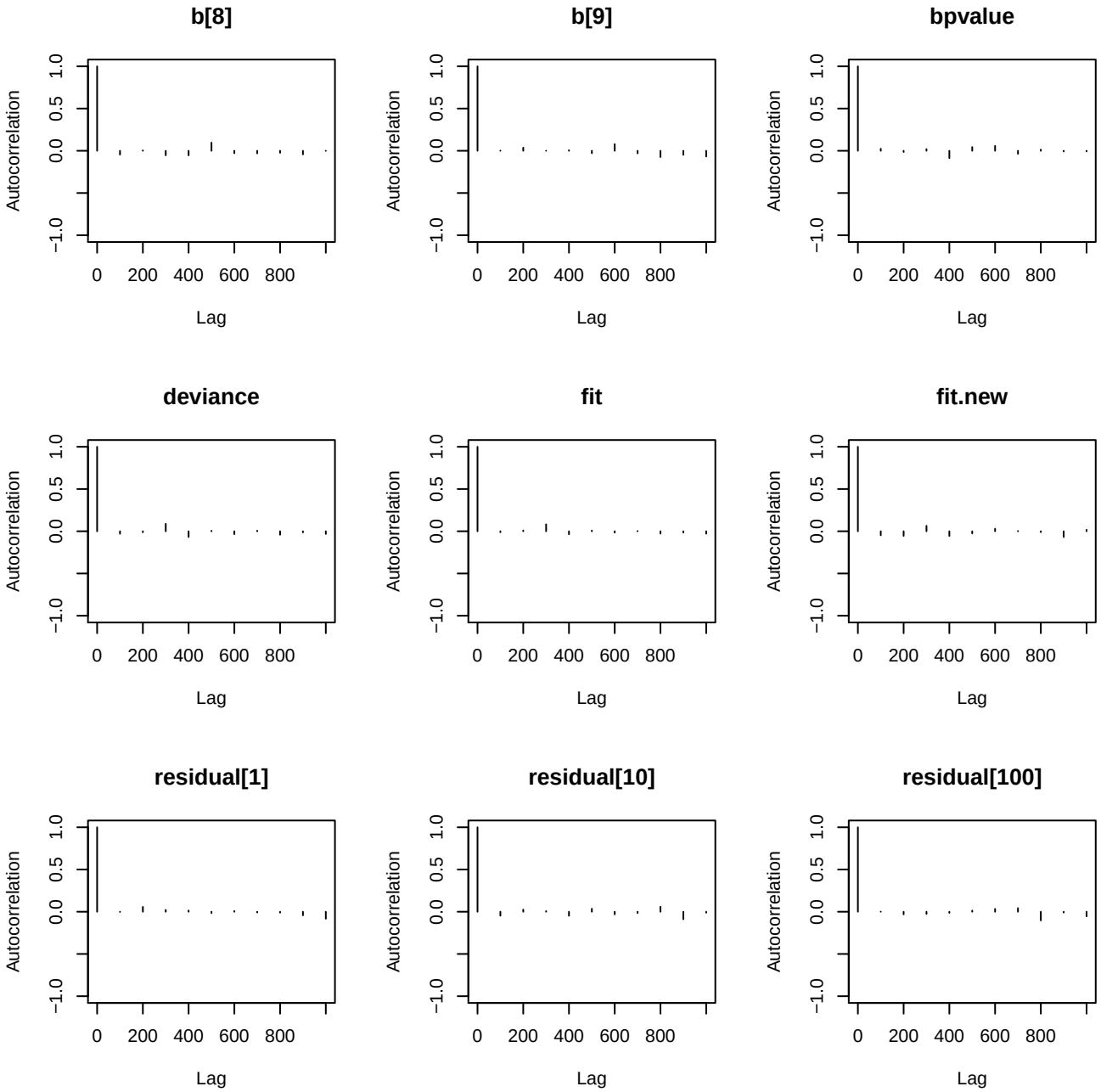

residual[77]
residual[78]
residual[79]
residual[8]
residual[80]
residual[81]
residual[82]
residual[83]
residual[84]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

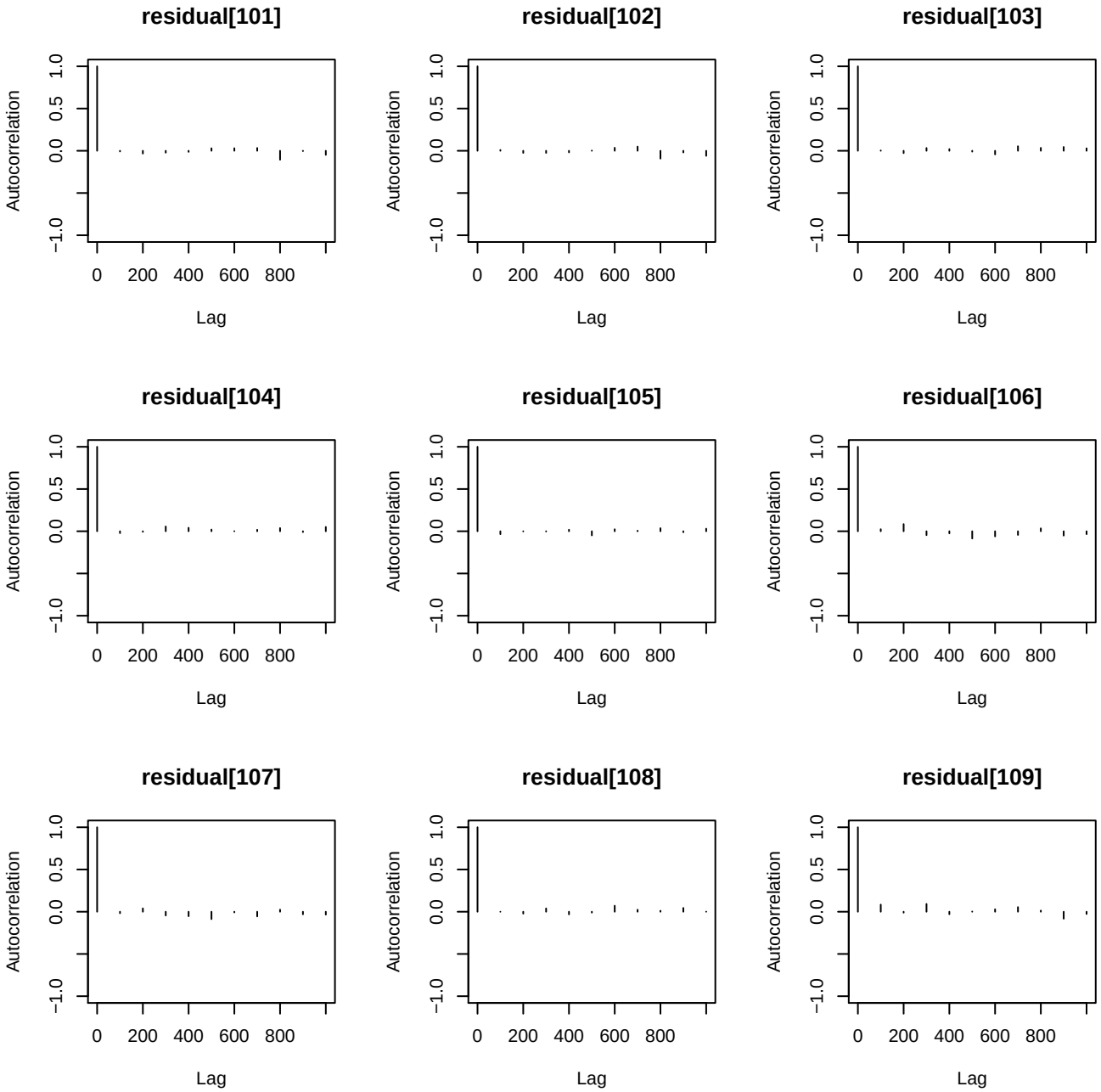

residual[85]
residual[86]
residual[87]
residual[88]
residual[89]
residual[9]
residual[90]
residual[91]
residual[92]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

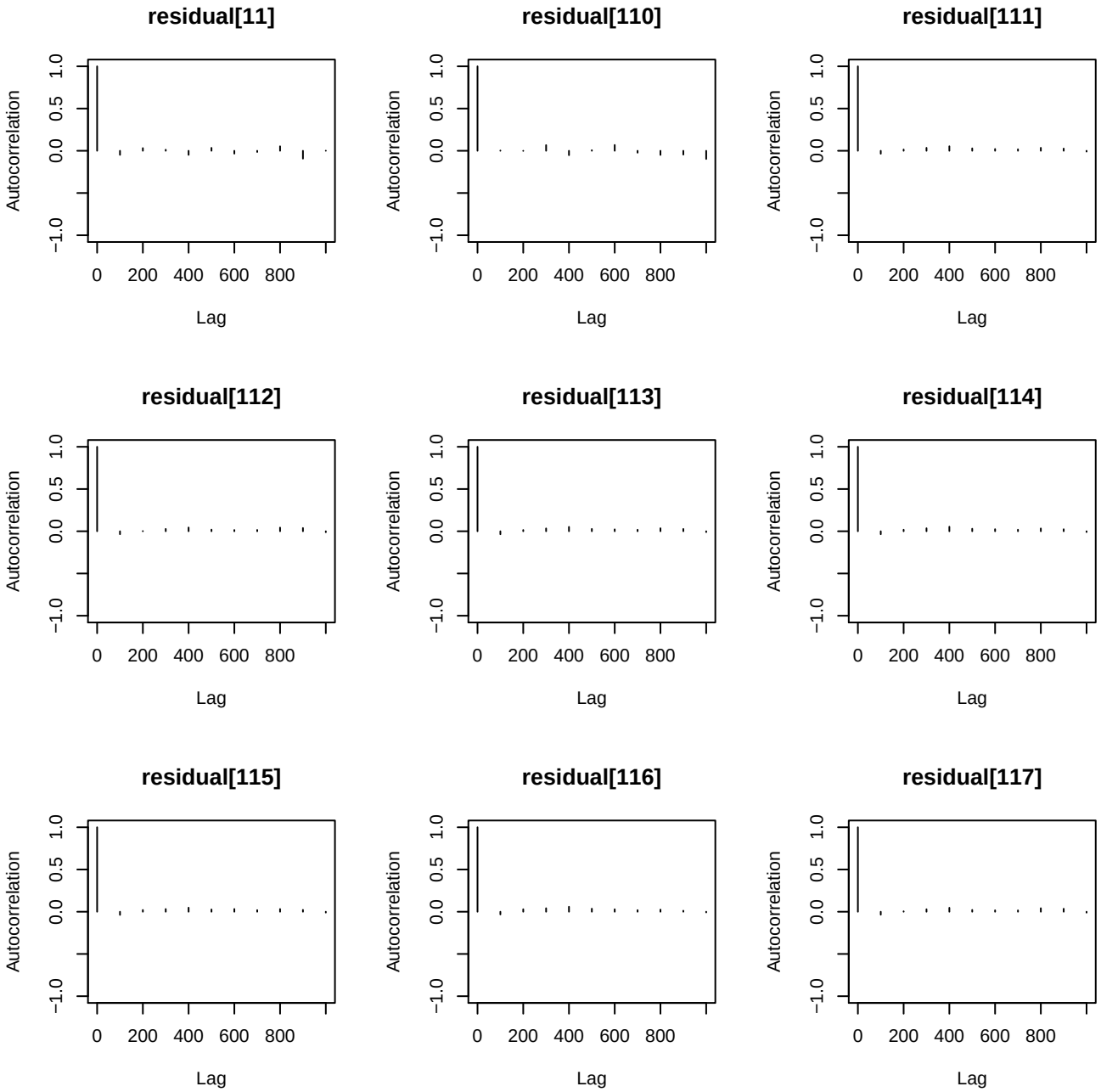

residual[93]
residual[94]
residual[95]
residual[96]
residual[97]
residual[98]
residual[99]
rho
sd.global
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

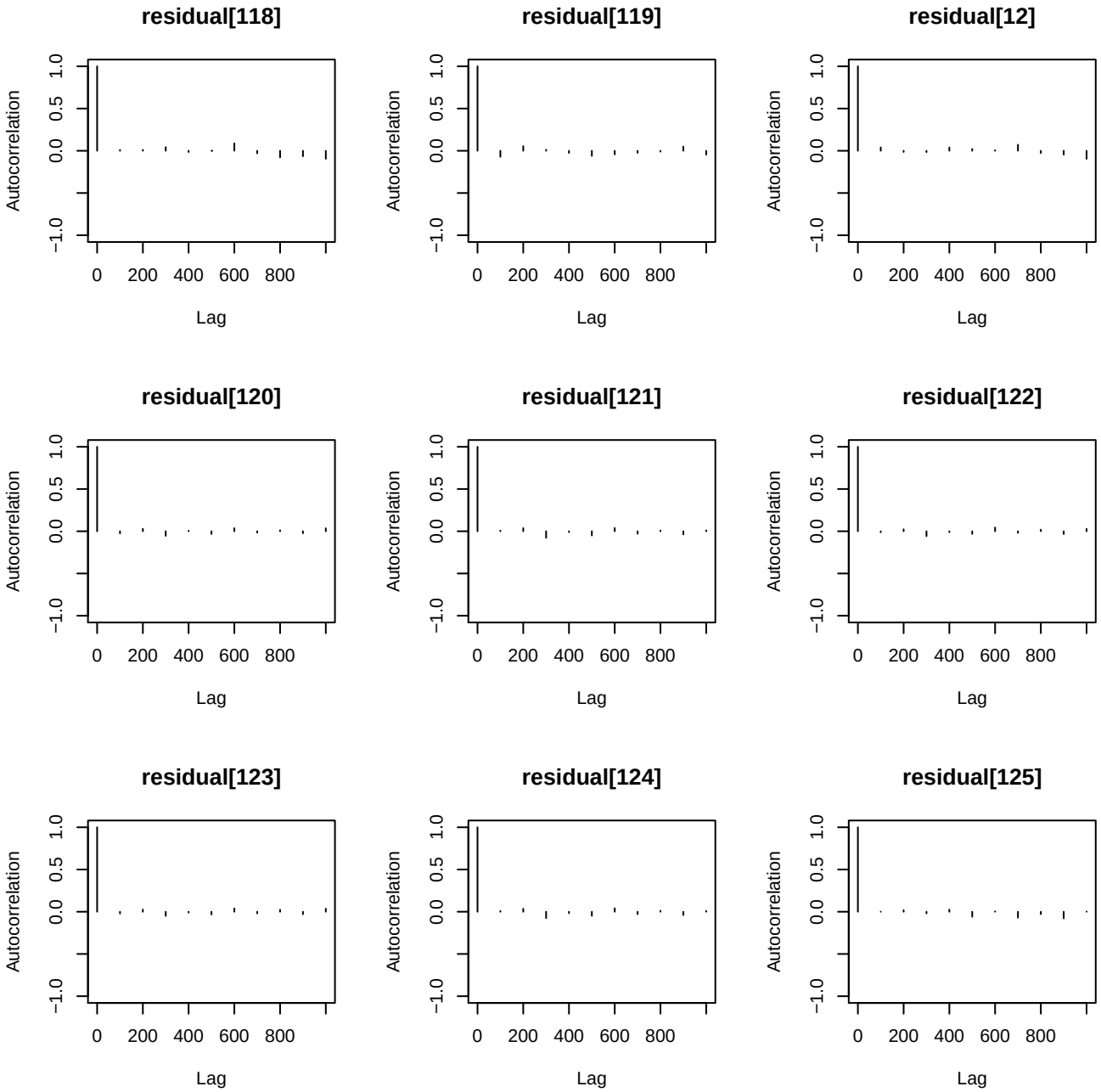

a[1]
a[2]
alpha
B[1,1]
B[1,2]
b[1]
B[2,1]
B[2,2]
b[2]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

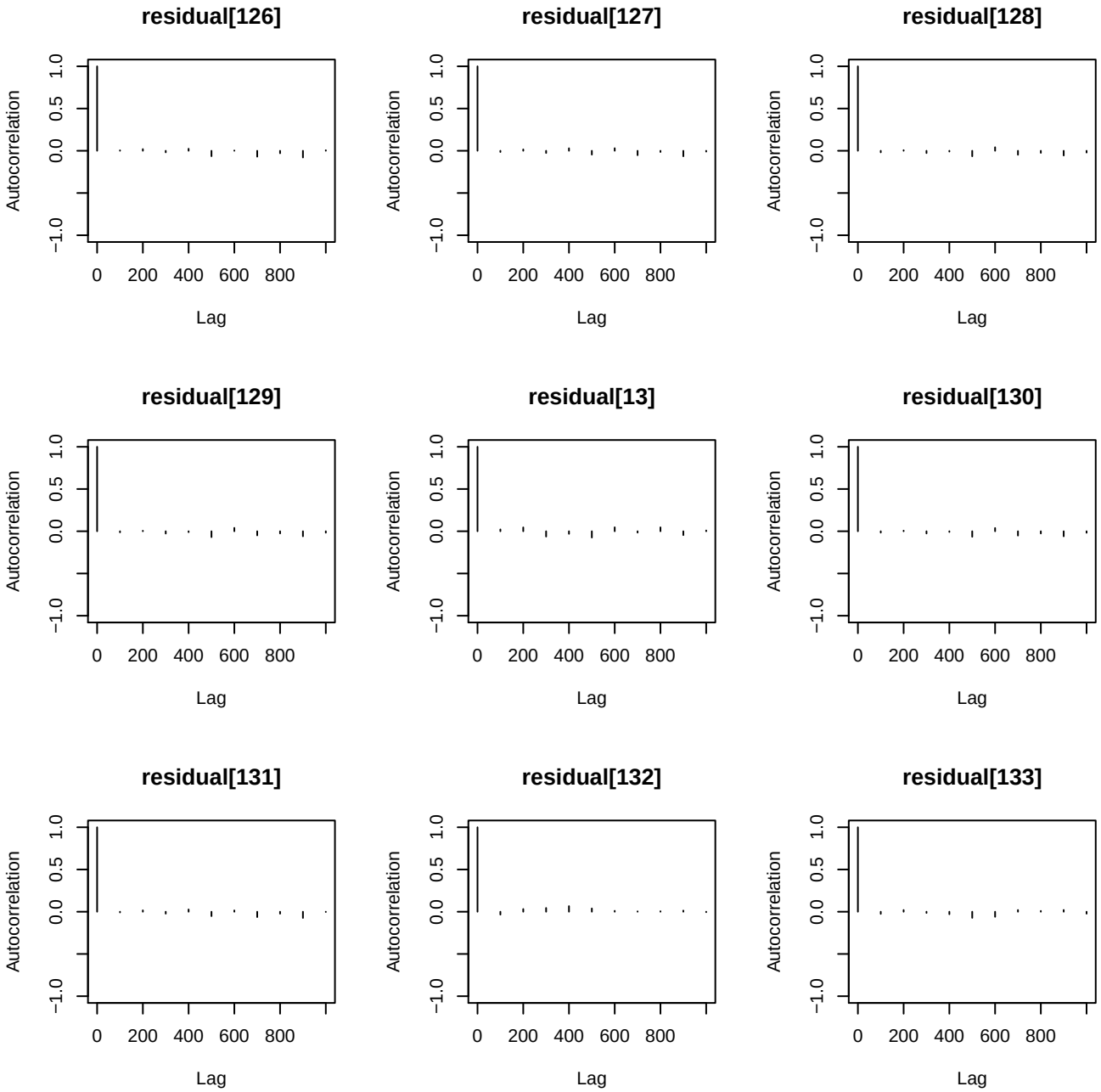

B[3,1]
B[3,2]
b[3]
B[4,1]
B[4,2]
b[4]
b[5]
b[6]
b[7]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

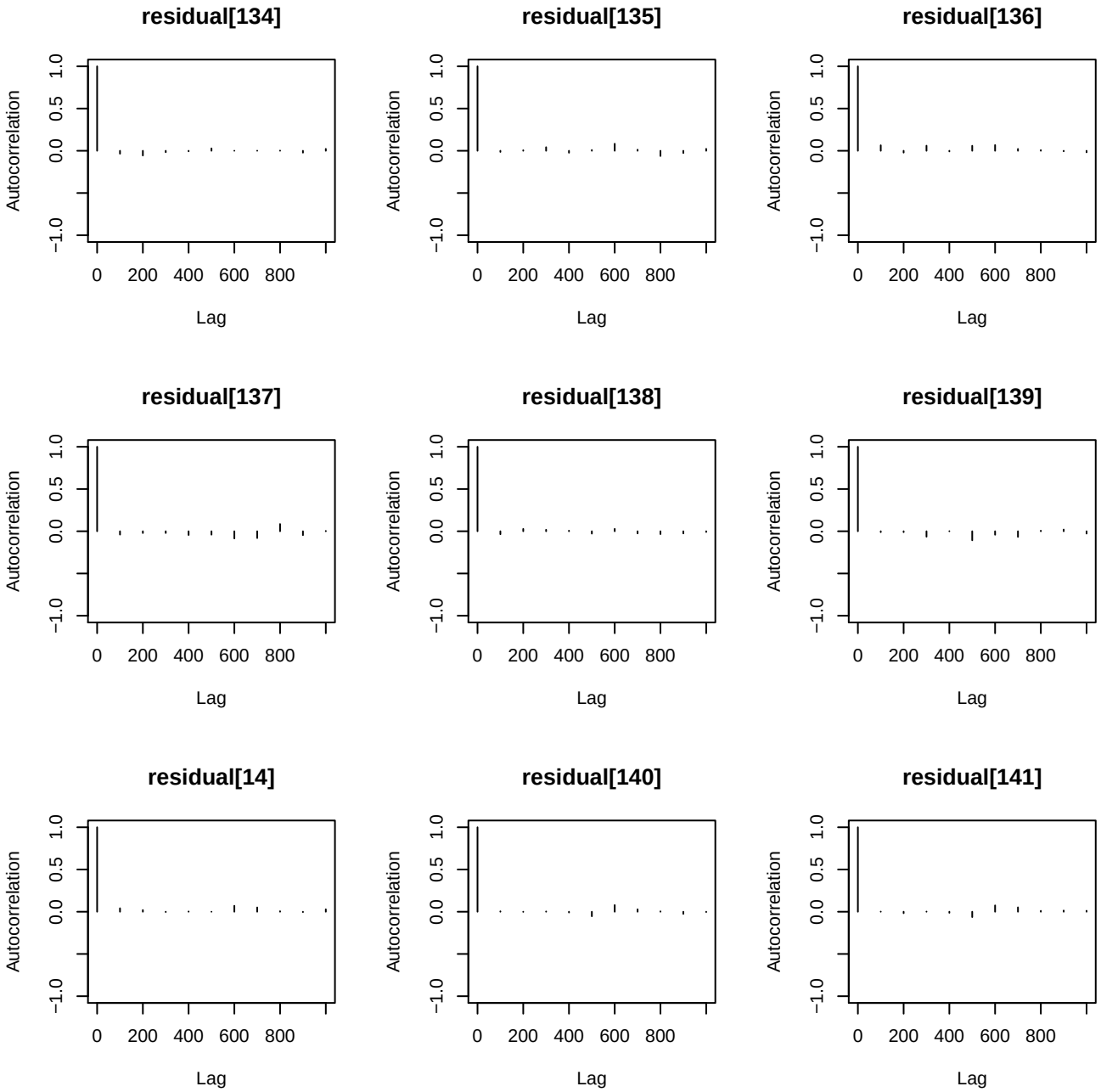

b[8]
b[9]
bpvalue
deviance
fit
fit.new
residual[1]
residual[10]
residual[100]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

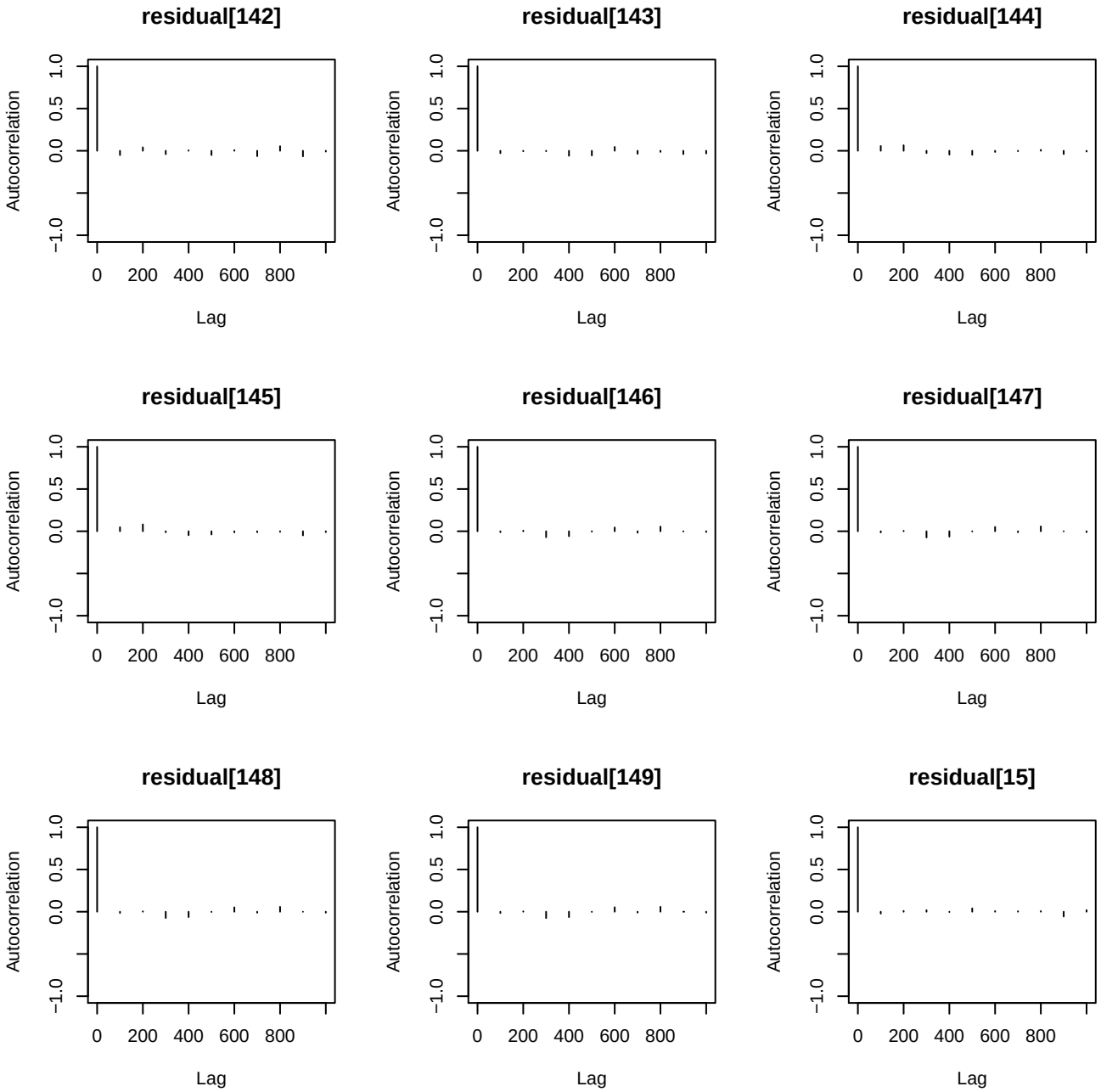

residual[101]
residual[102]
residual[103]
residual[104]
residual[105]
residual[106]
residual[107]
residual[108]
residual[109]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

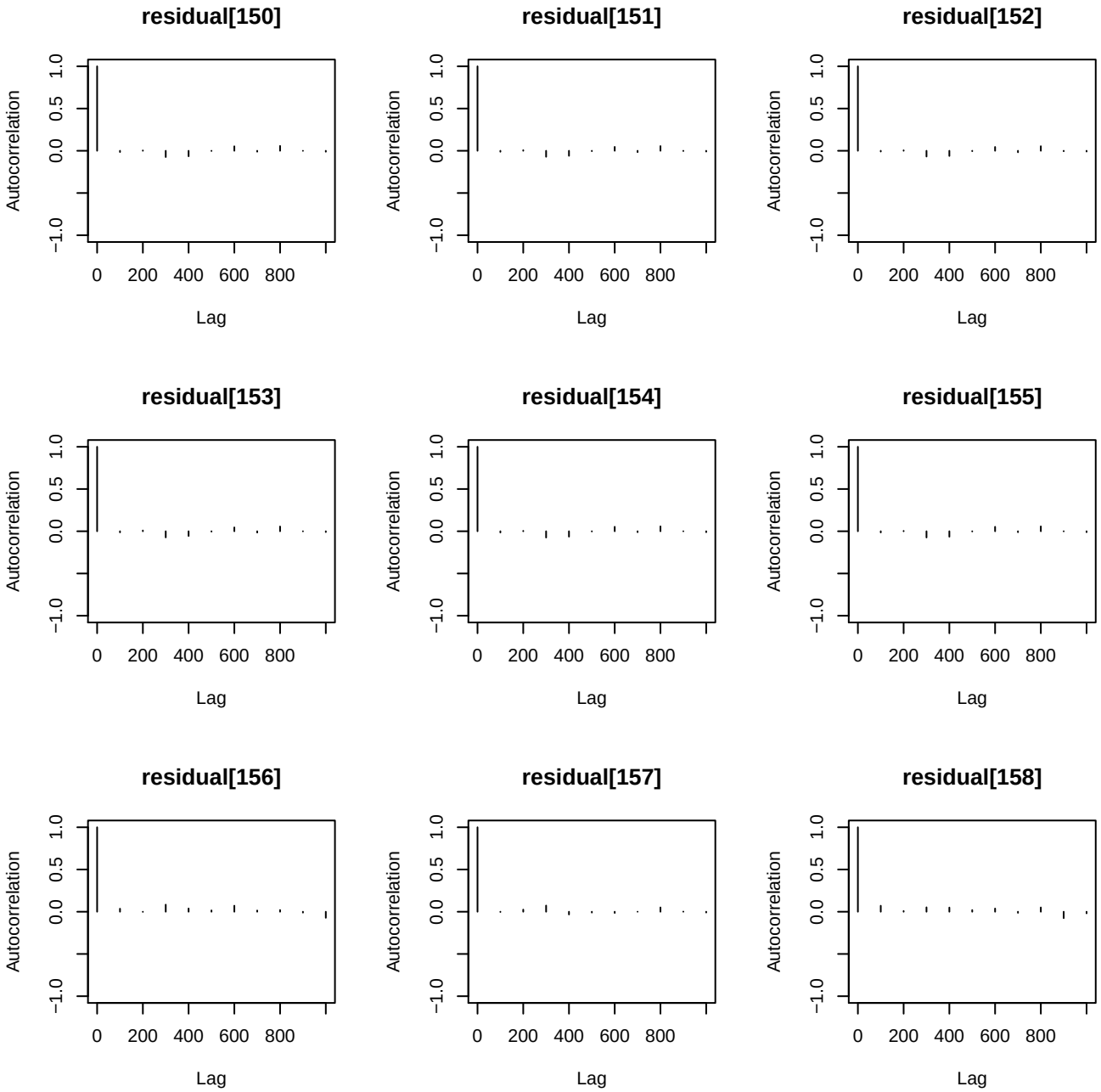

residual[11]
residual[110]
residual[111]
residual[112]
residual[113]
residual[114]
residual[115]
residual[116]
residual[117]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

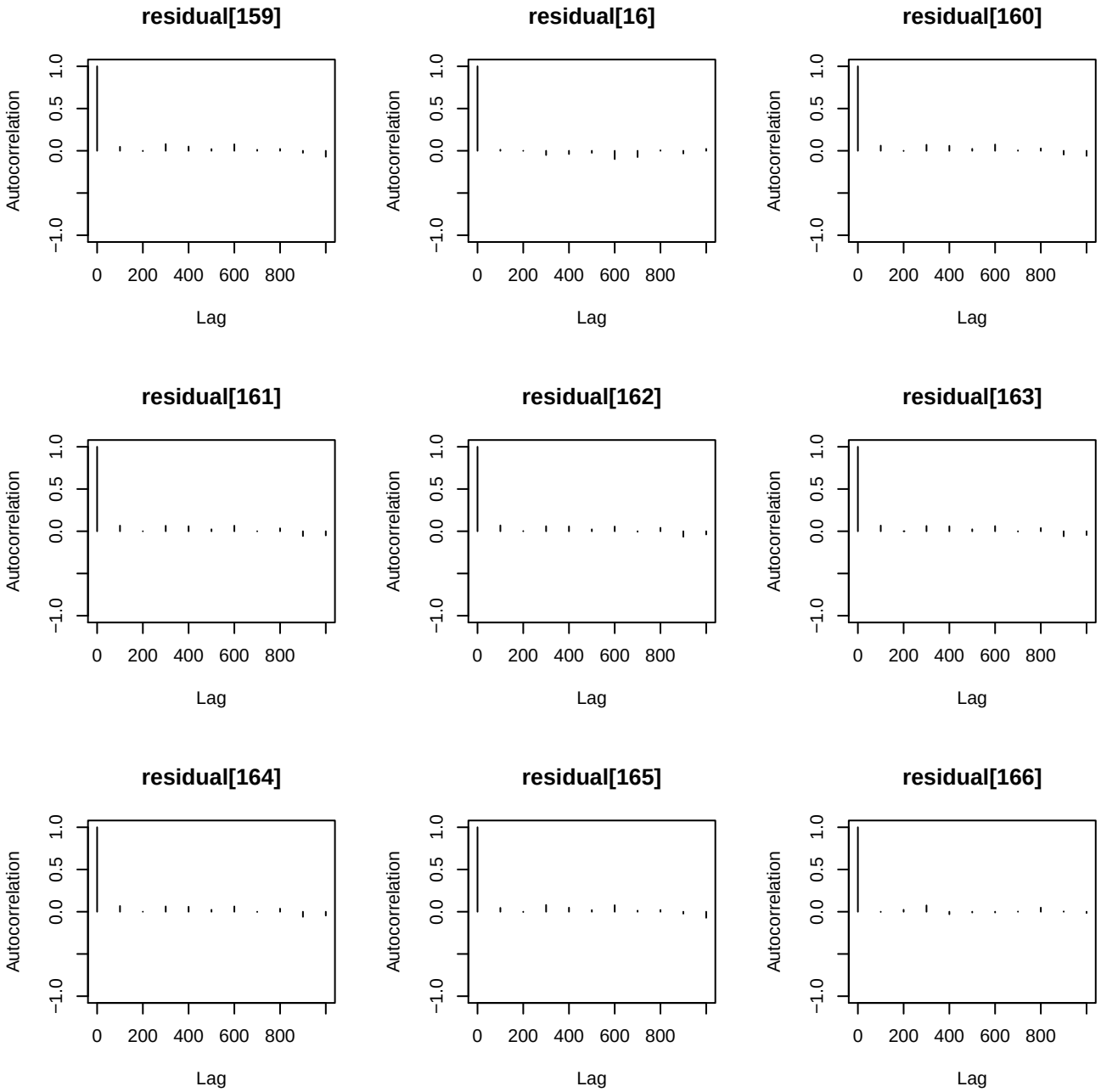

residual[118]
residual[119]
residual[12]
residual[120]
residual[121]
residual[122]
residual[123]
residual[124]
residual[125]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

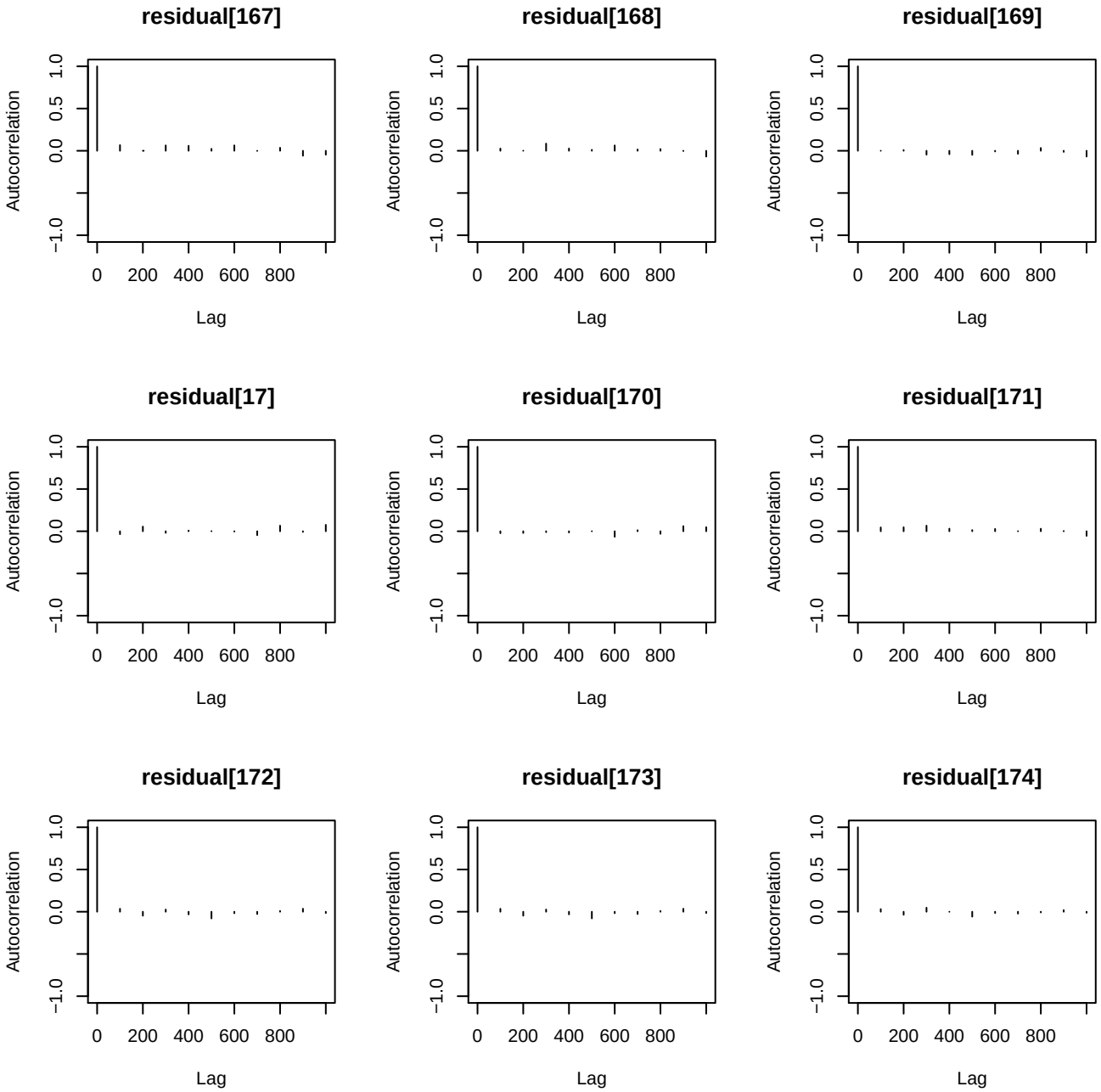

residual[126]
residual[127]
residual[128]
residual[129]
residual[13]
residual[130]
residual[131]
residual[132]
residual[133]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

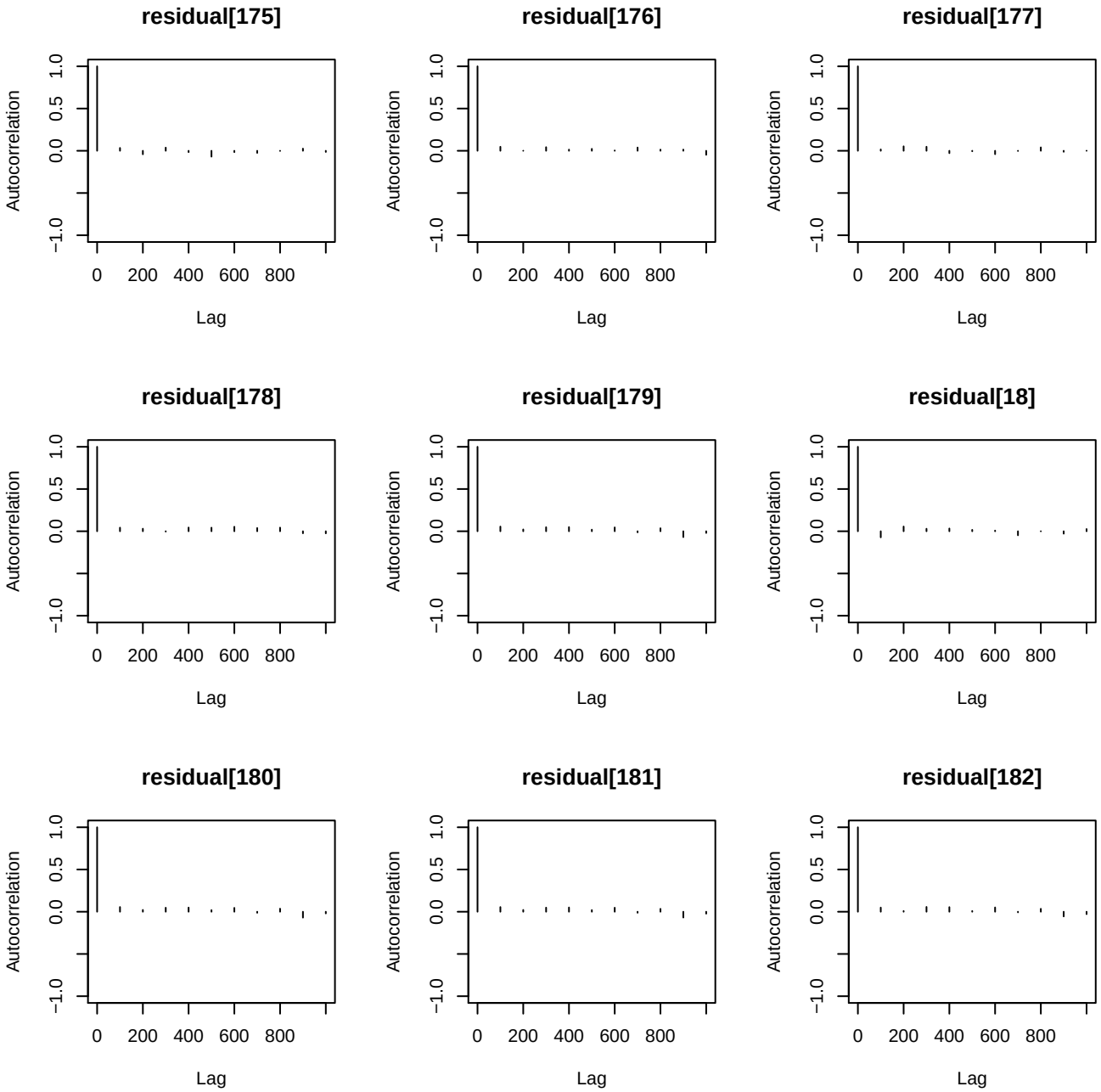

residual[134]
residual[135]
residual[136]
residual[137]
residual[138]
residual[139]
residual[14]
residual[140]
residual[141]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

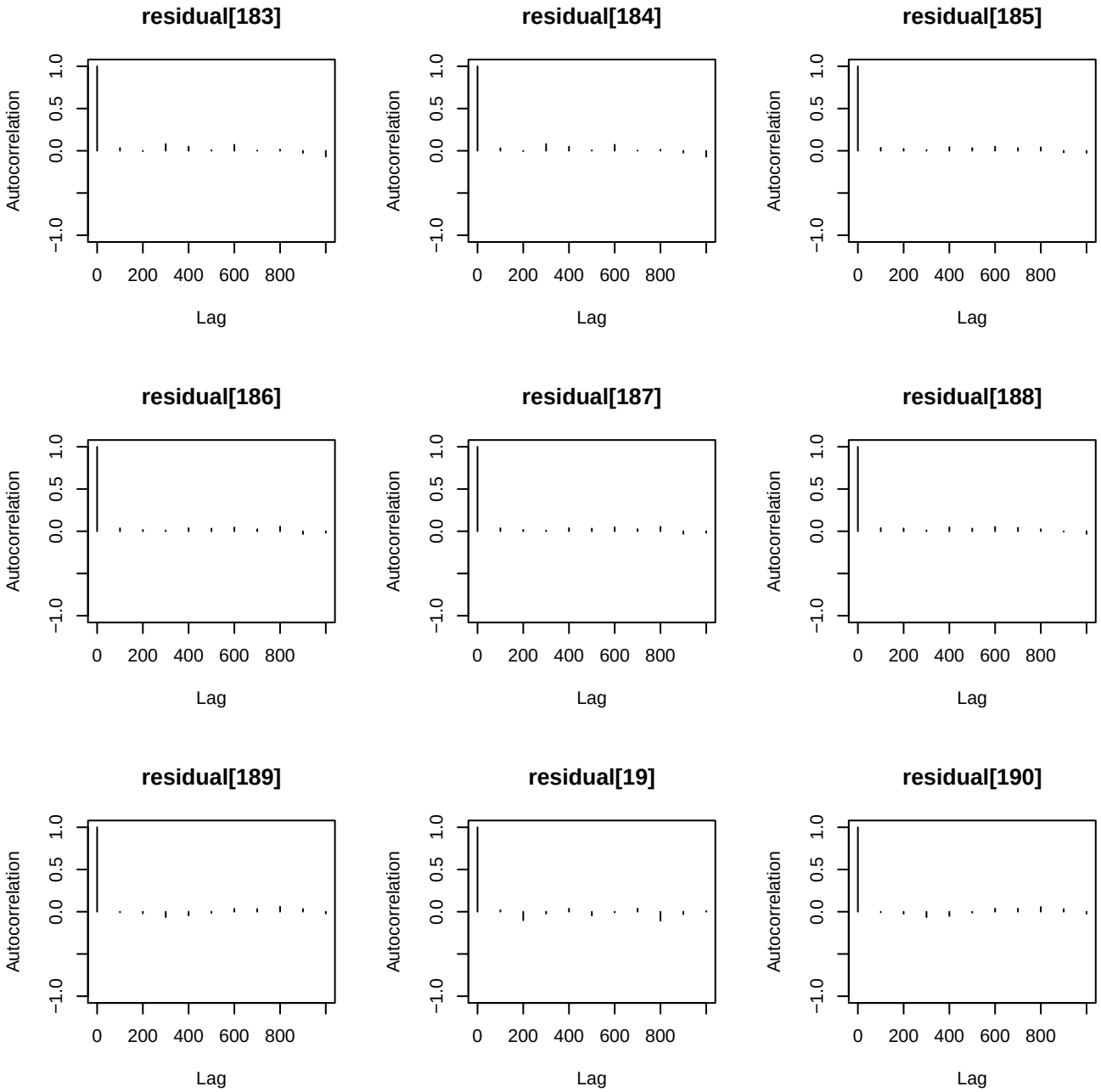

residual[142]
residual[143]
residual[144]
residual[145]
residual[146]
residual[147]
residual[148]
residual[149]
residual[15]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

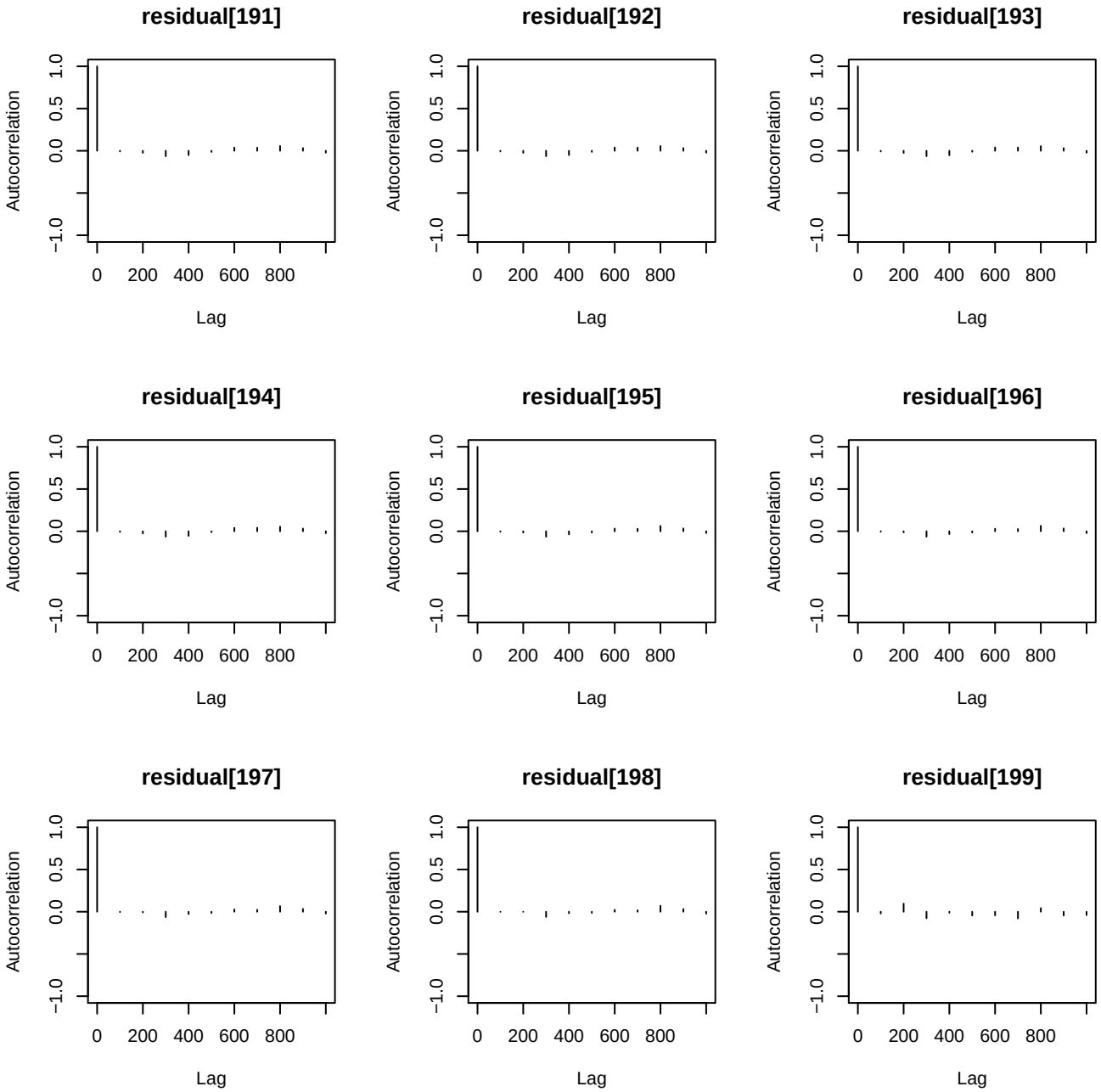

residual[150]
residual[151]
residual[152]
residual[153]
residual[154]
residual[155]
residual[156]
residual[157]
residual[158]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

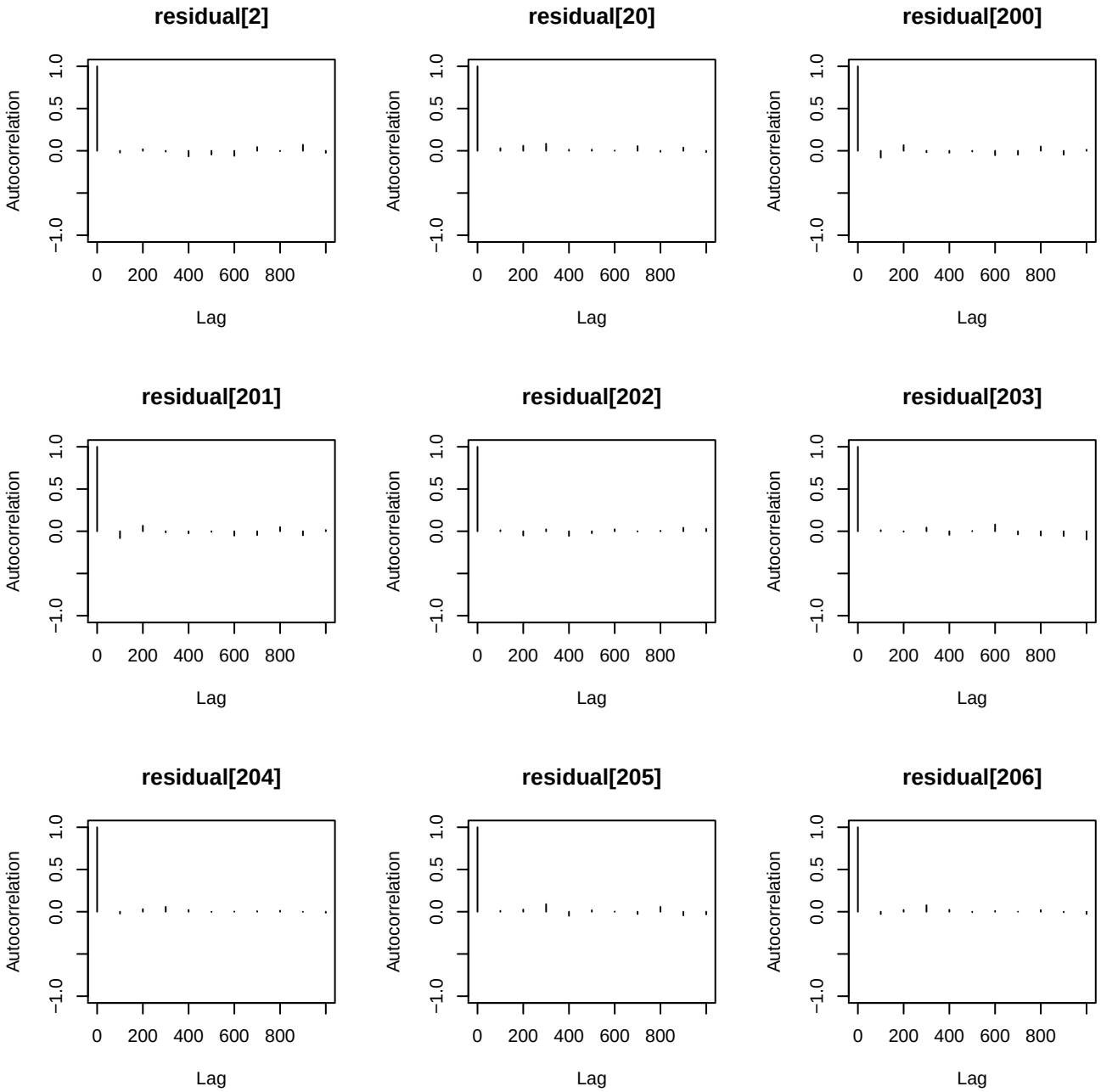

residual[159]
residual[16]
residual[160]
residual[161]
residual[162]
residual[163]
residual[164]
residual[165]
residual[166]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

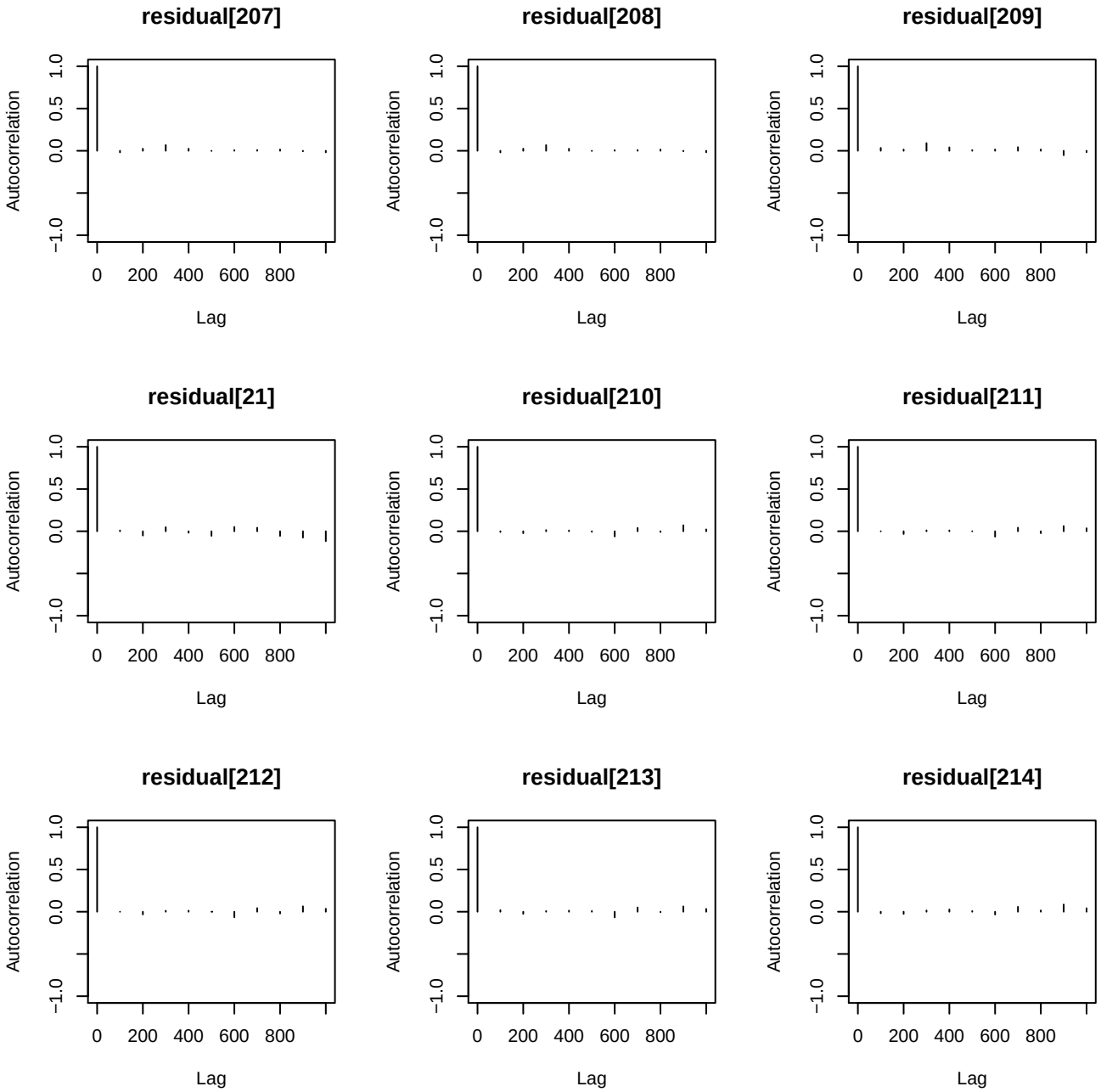

residual[167]
residual[168]
residual[169]
residual[17]
residual[170]
residual[171]
residual[172]
residual[173]
residual[174]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

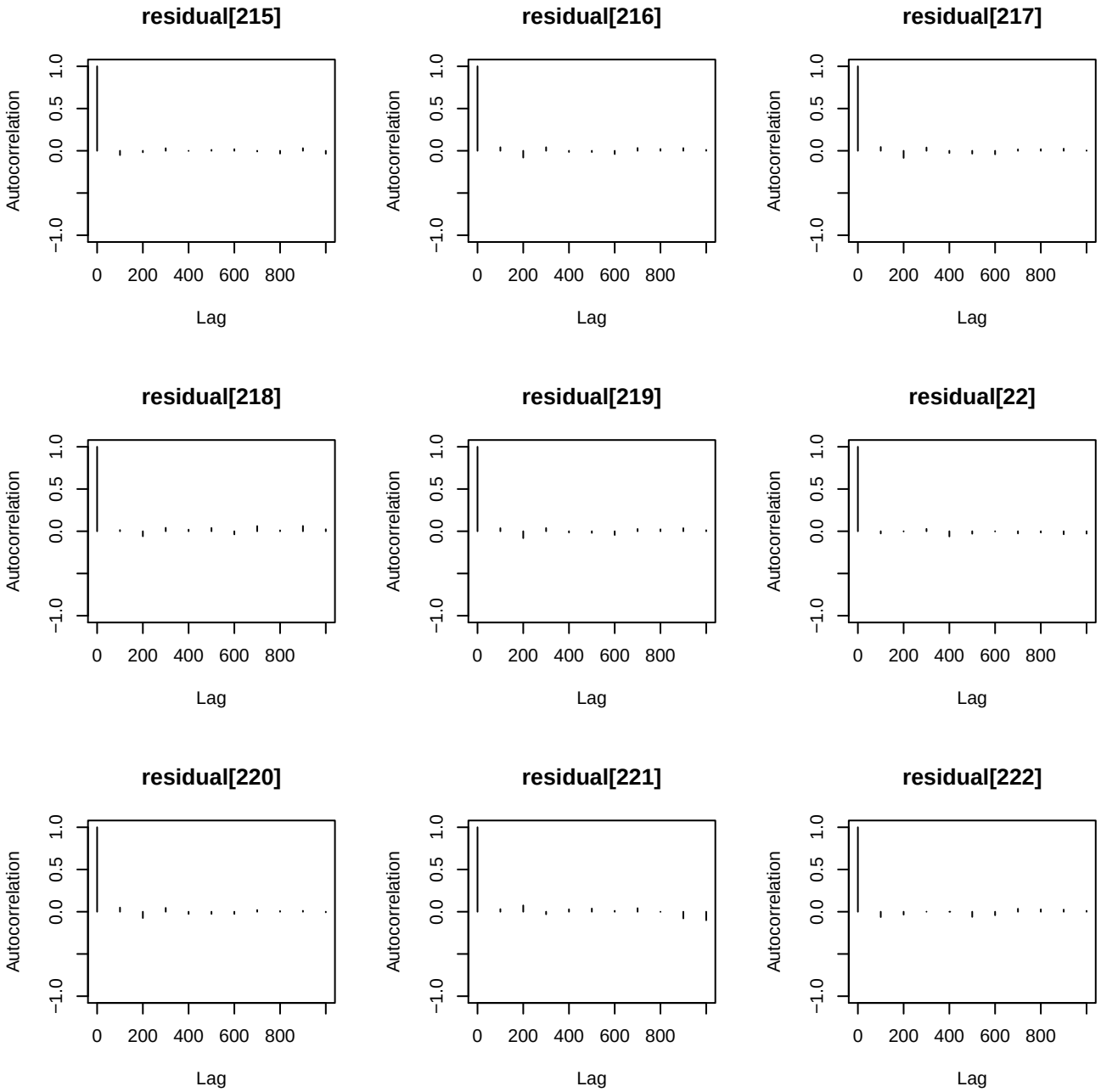

residual[175]
residual[176]
residual[177]
residual[178]
residual[179]
residual[18]
residual[180]
residual[181]
residual[182]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

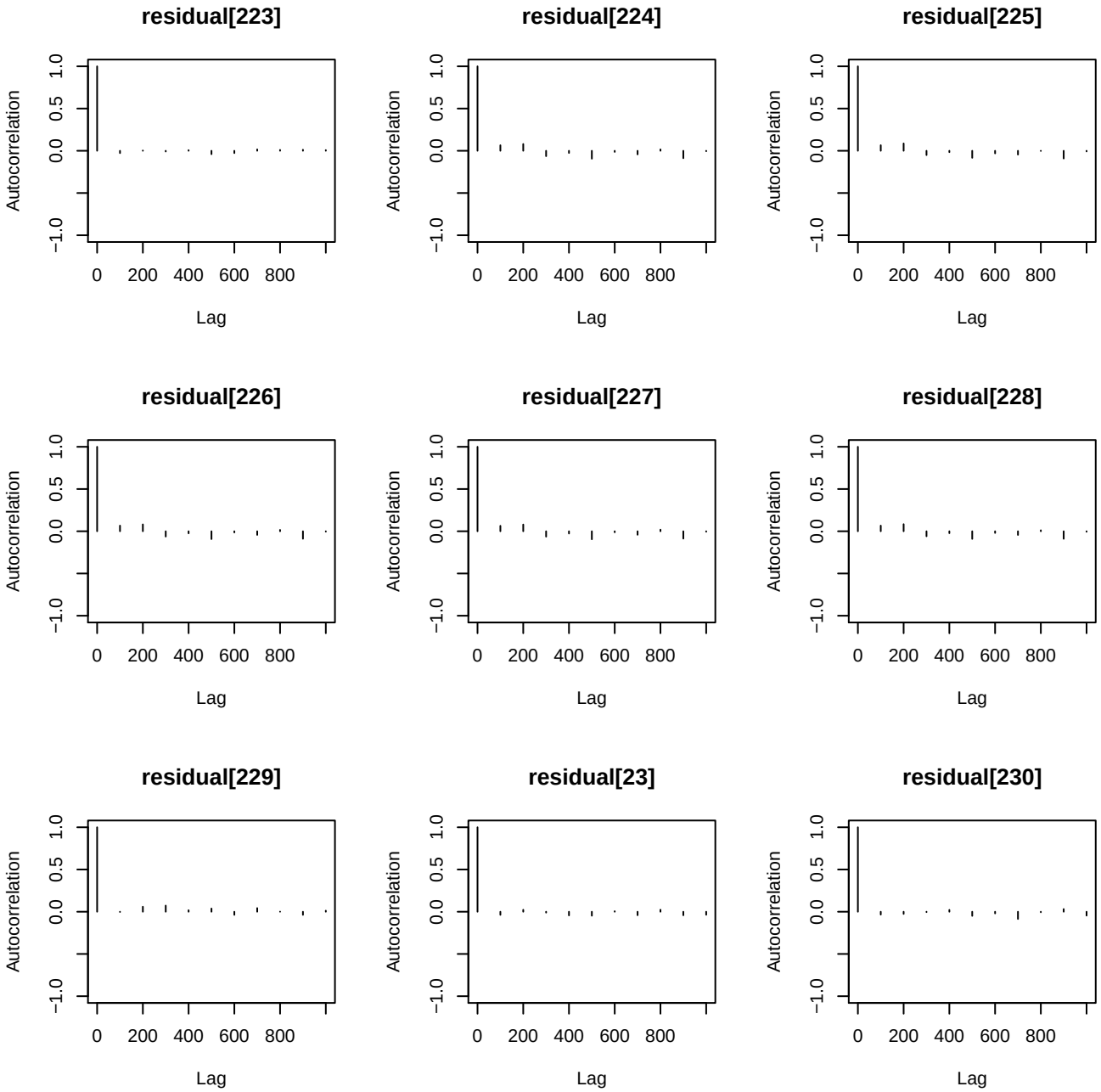

residual[183]
residual[184]
residual[185]
residual[186]
residual[187]
residual[188]
residual[189]
residual[19]
residual[190]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

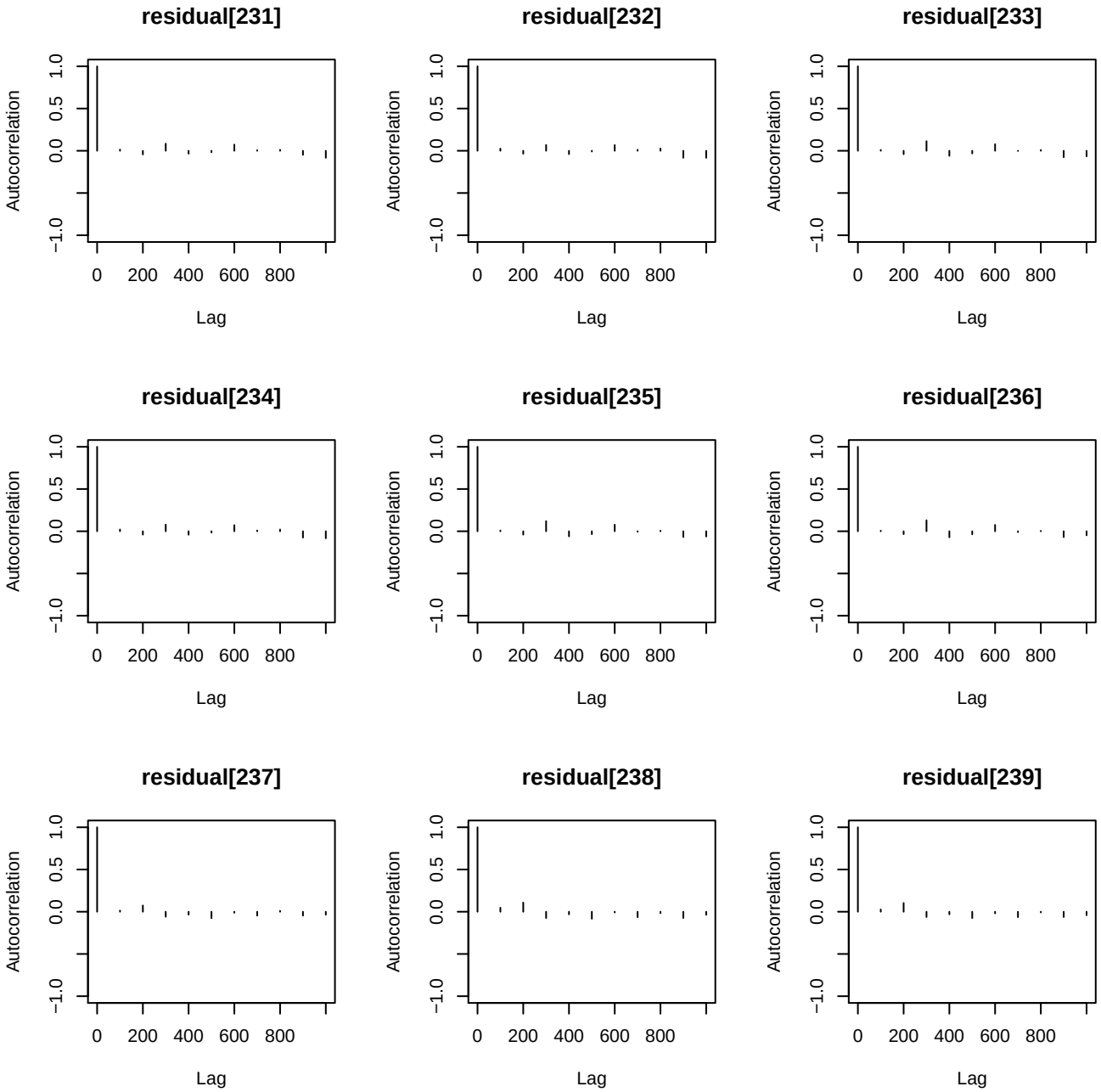

residual[191]
residual[192]
residual[193]
residual[194]
residual[195]
residual[196]
residual[197]
residual[198]
residual[199]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

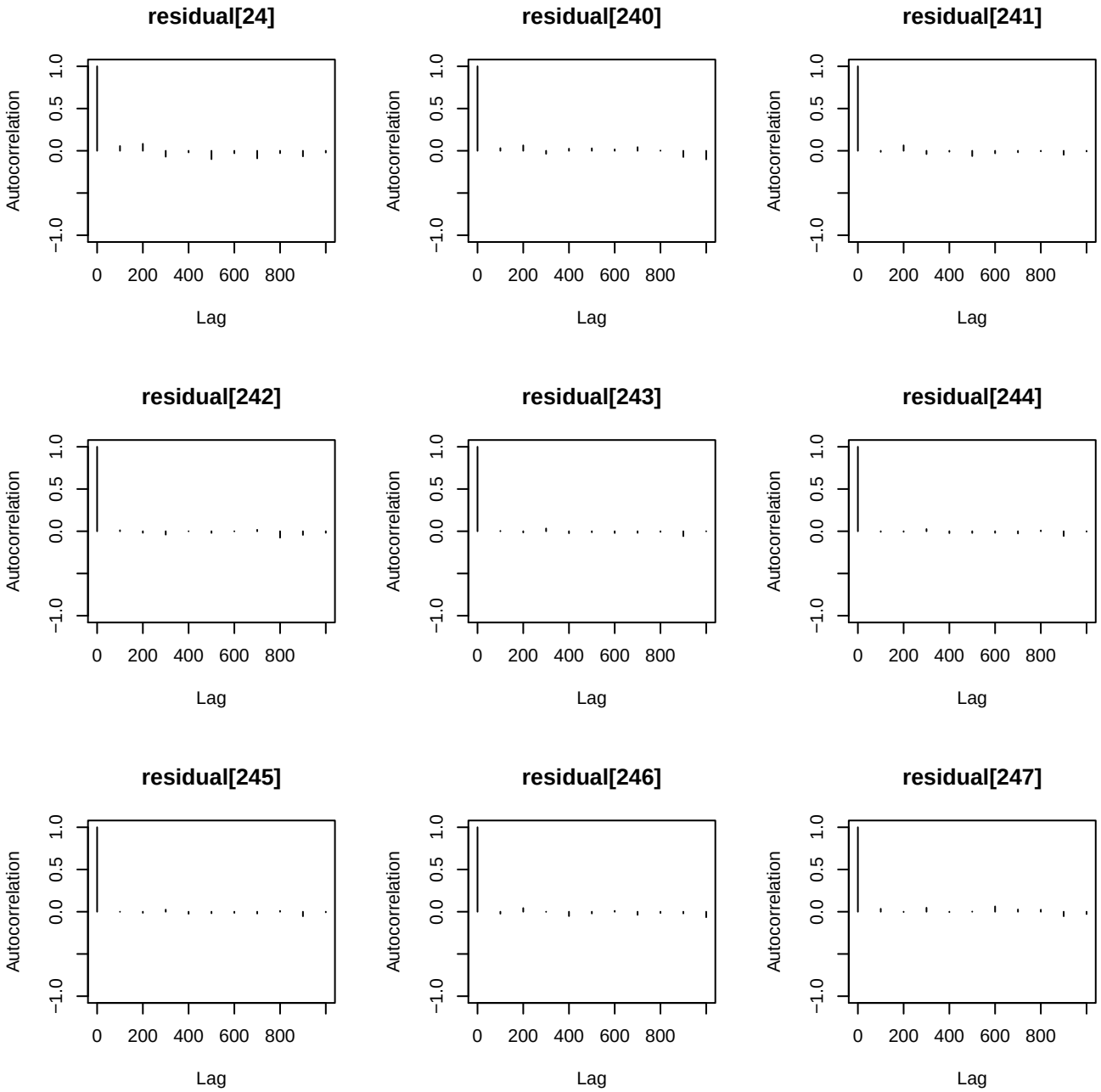

residual[2]
residual[20]
residual[200]
residual[201]
residual[202]
residual[203]
residual[204]
residual[205]
residual[206]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

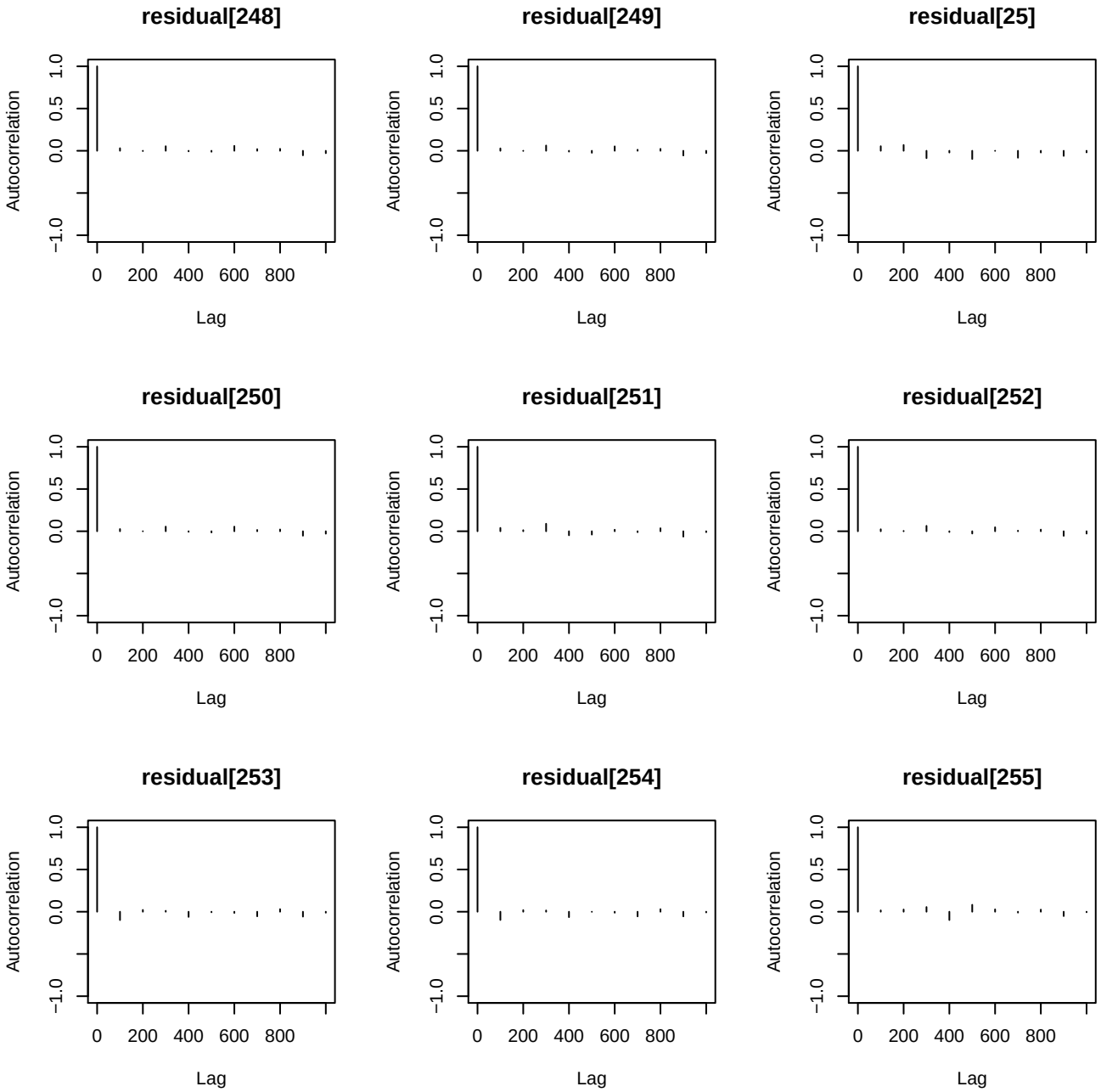

residual[207]
residual[208]
residual[209]
residual[21]
residual[210]
residual[211]
residual[212]
residual[213]
residual[214]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

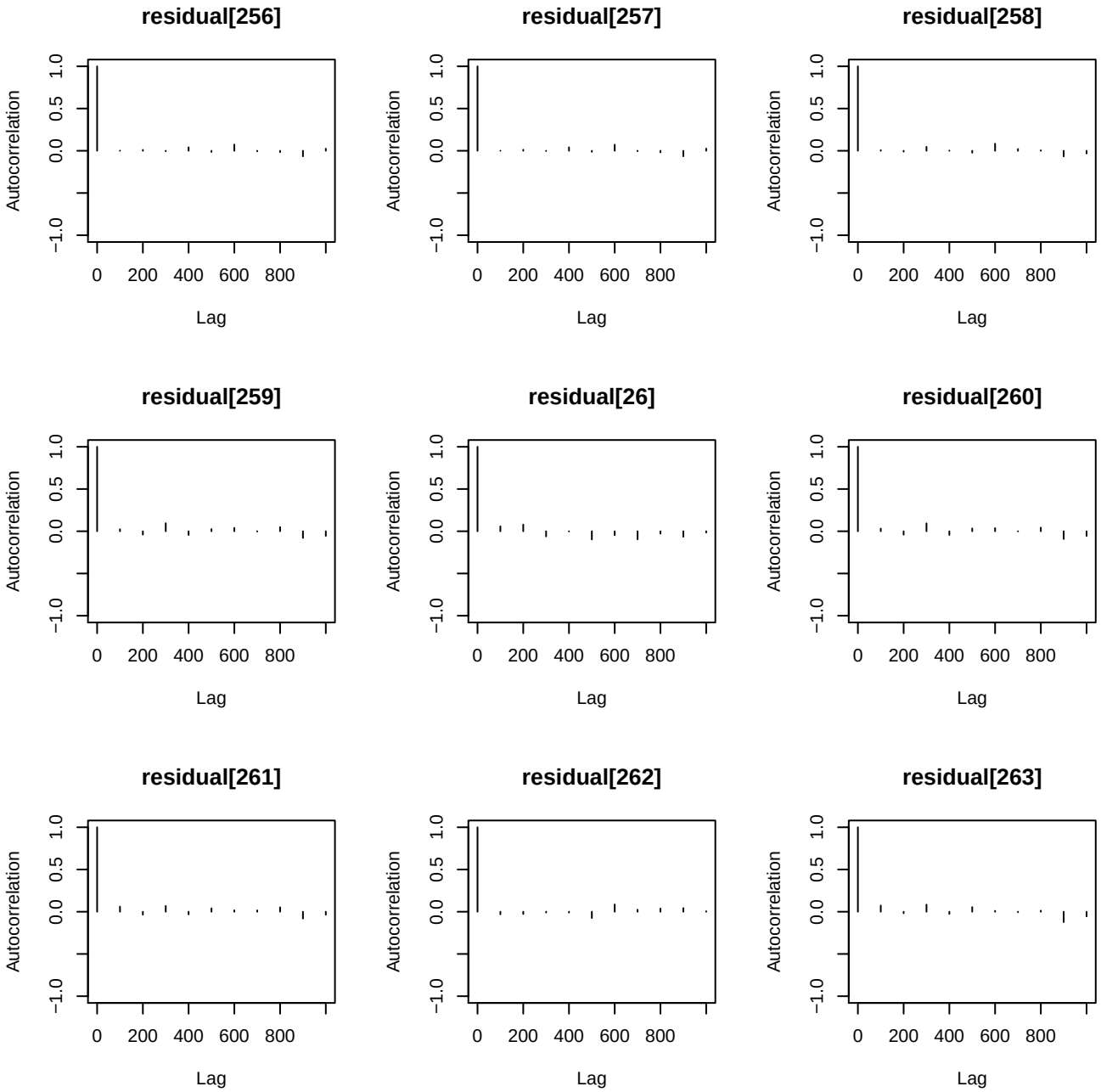

residual[215]
residual[216]
residual[217]
residual[218]
residual[219]
residual[22]
residual[220]
residual[221]
residual[222]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

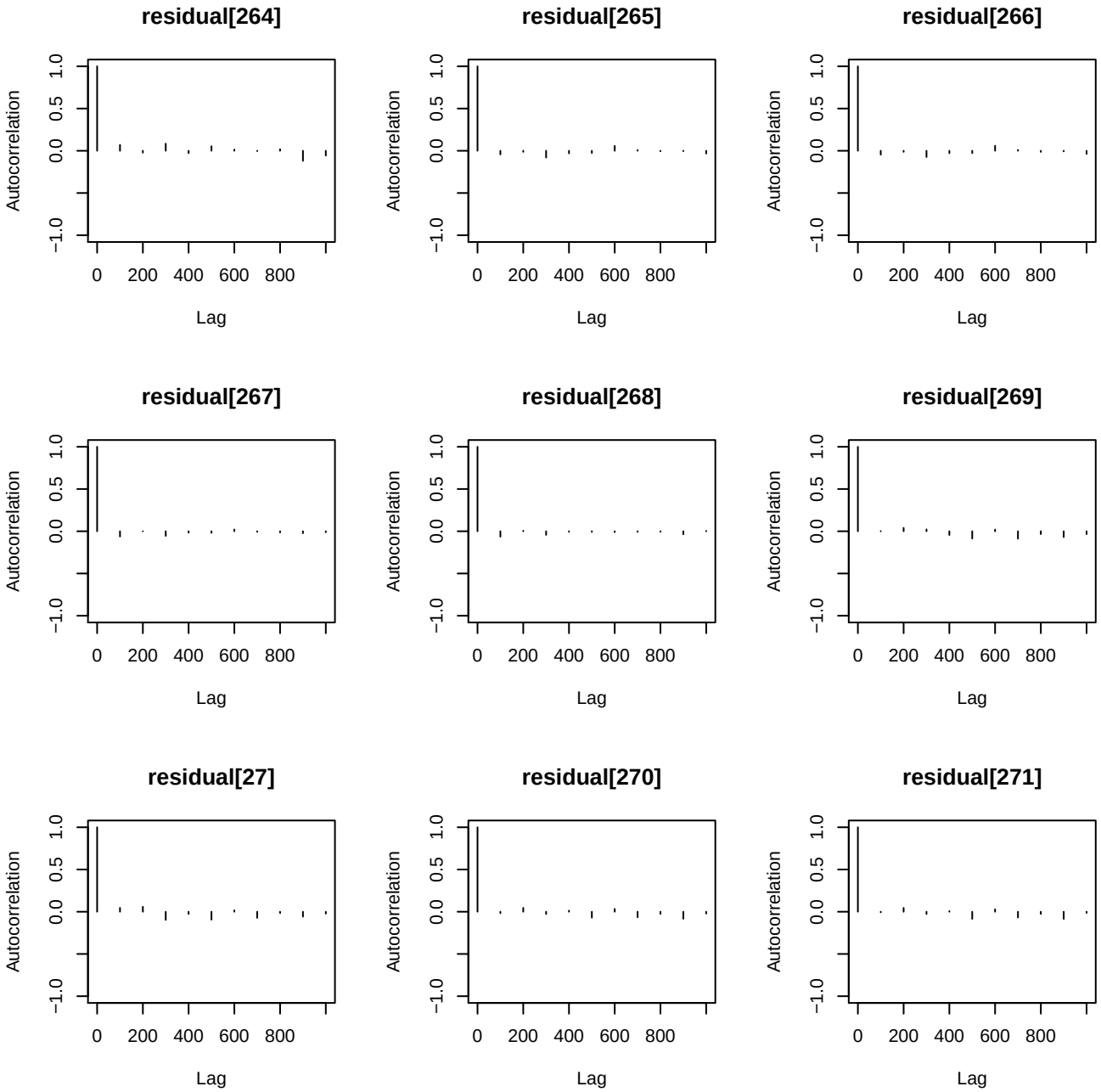

residual[223]
residual[224]
residual[225]
residual[226]
residual[227]
residual[228]
residual[229]
residual[23]
residual[230]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

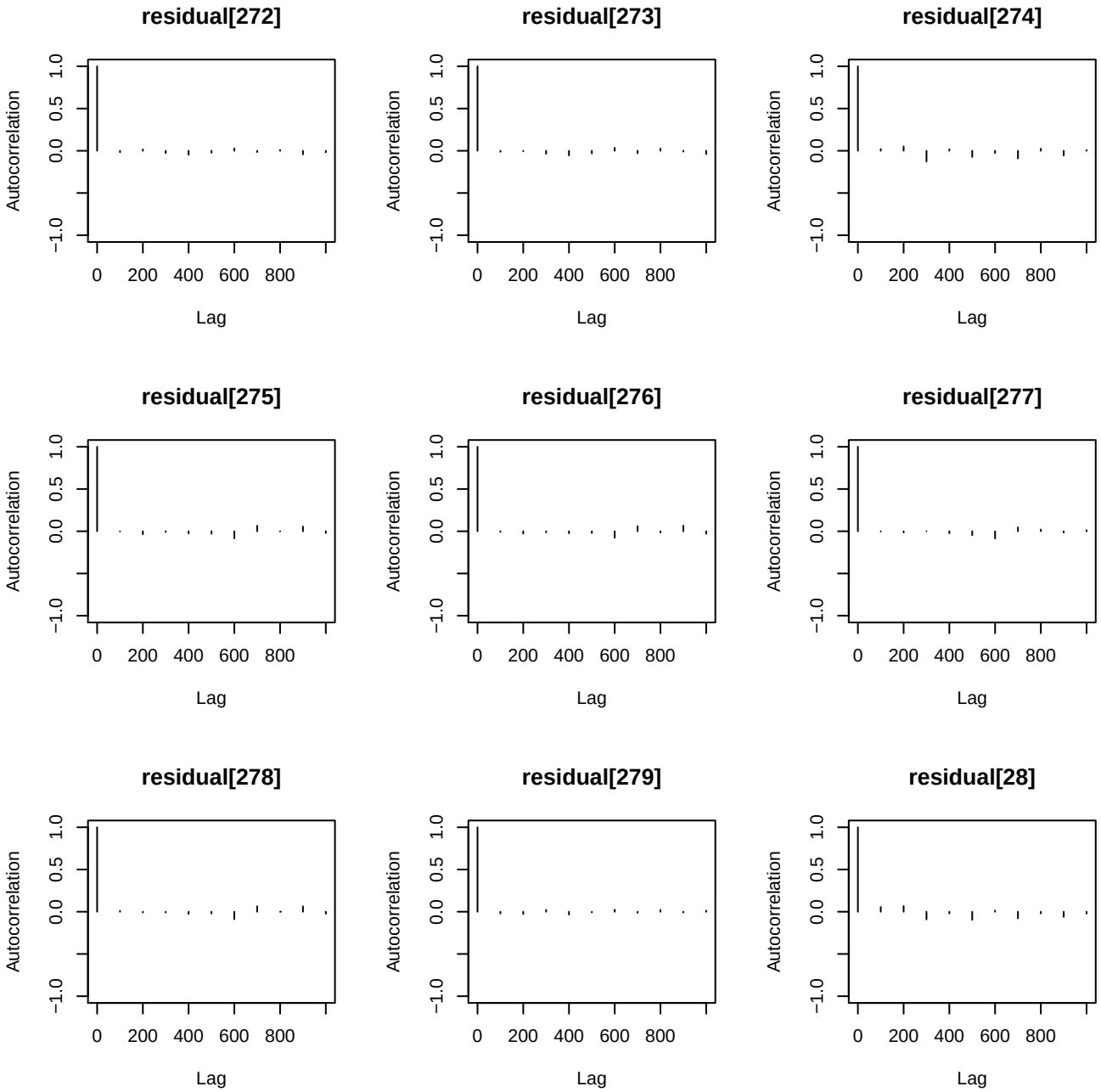

residual[231]
residual[232]
residual[233]
residual[234]
residual[235]
residual[236]
residual[237]
residual[238]
residual[239]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

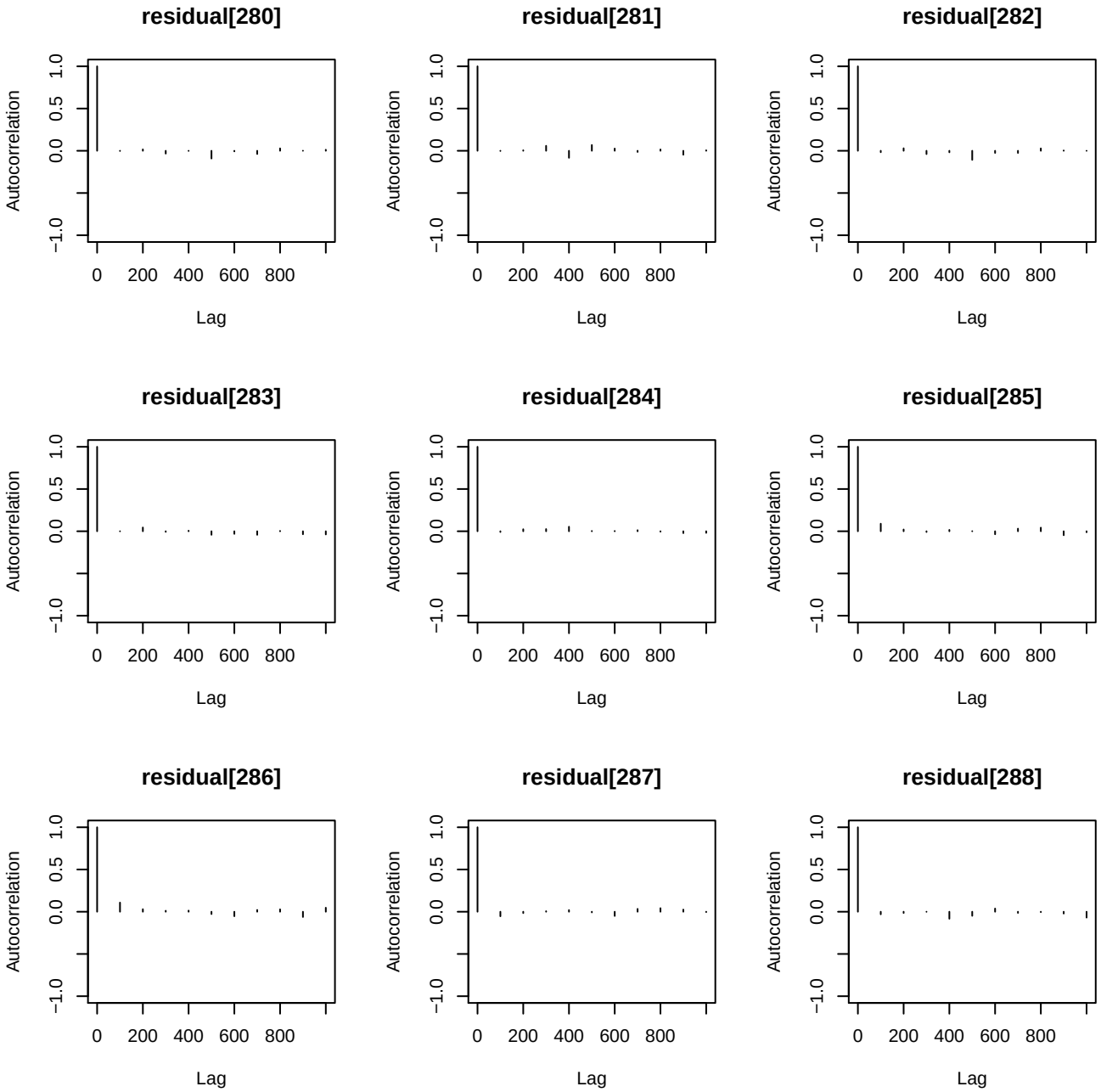

residual[24]
residual[240]
residual[241]
residual[242]
residual[243]
residual[244]
residual[245]
residual[246]
residual[247]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

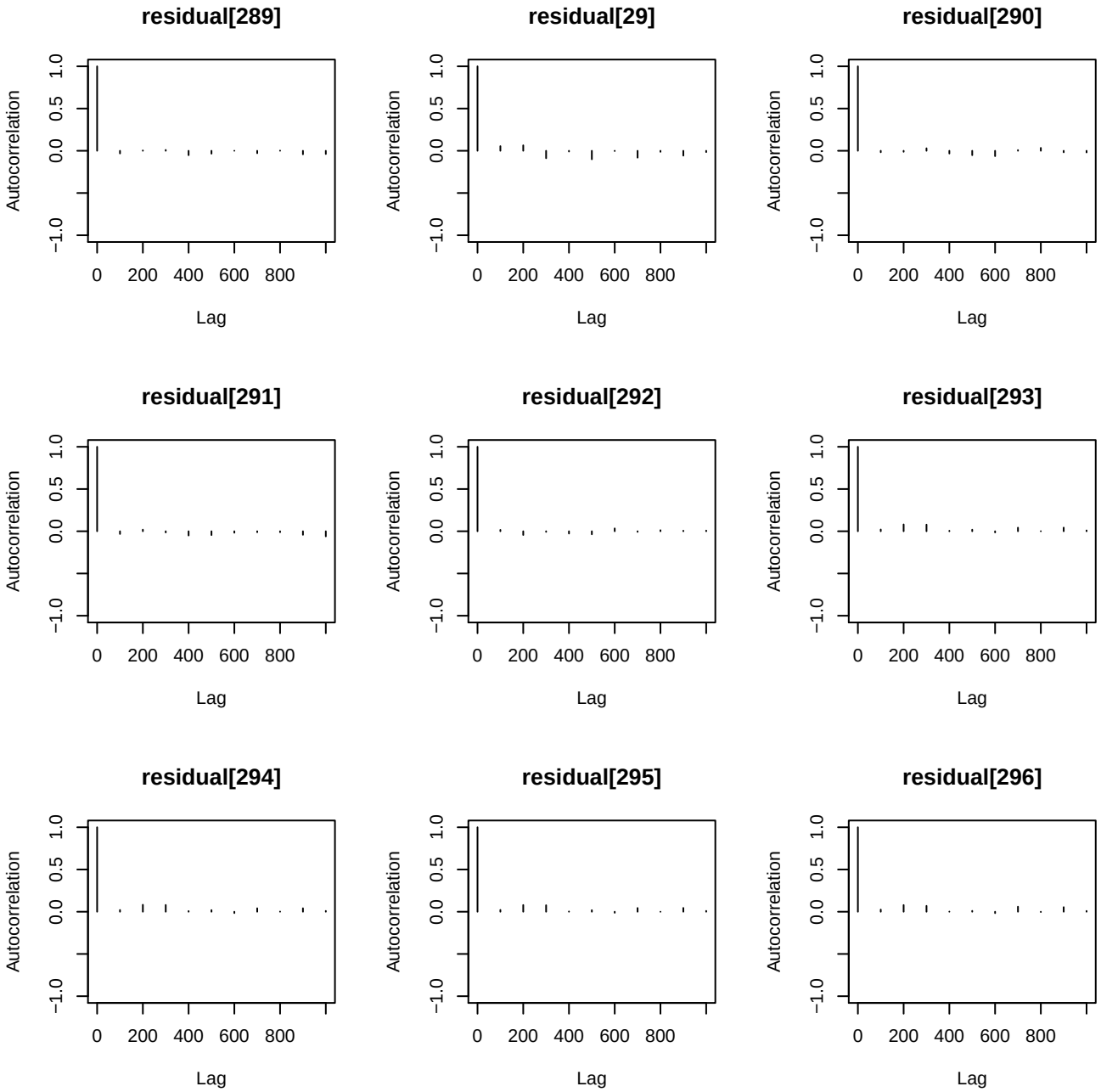

residual[248]
residual[249]
residual[25]
residual[250]
residual[251]
residual[252]
residual[253]
residual[254]
residual[255]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

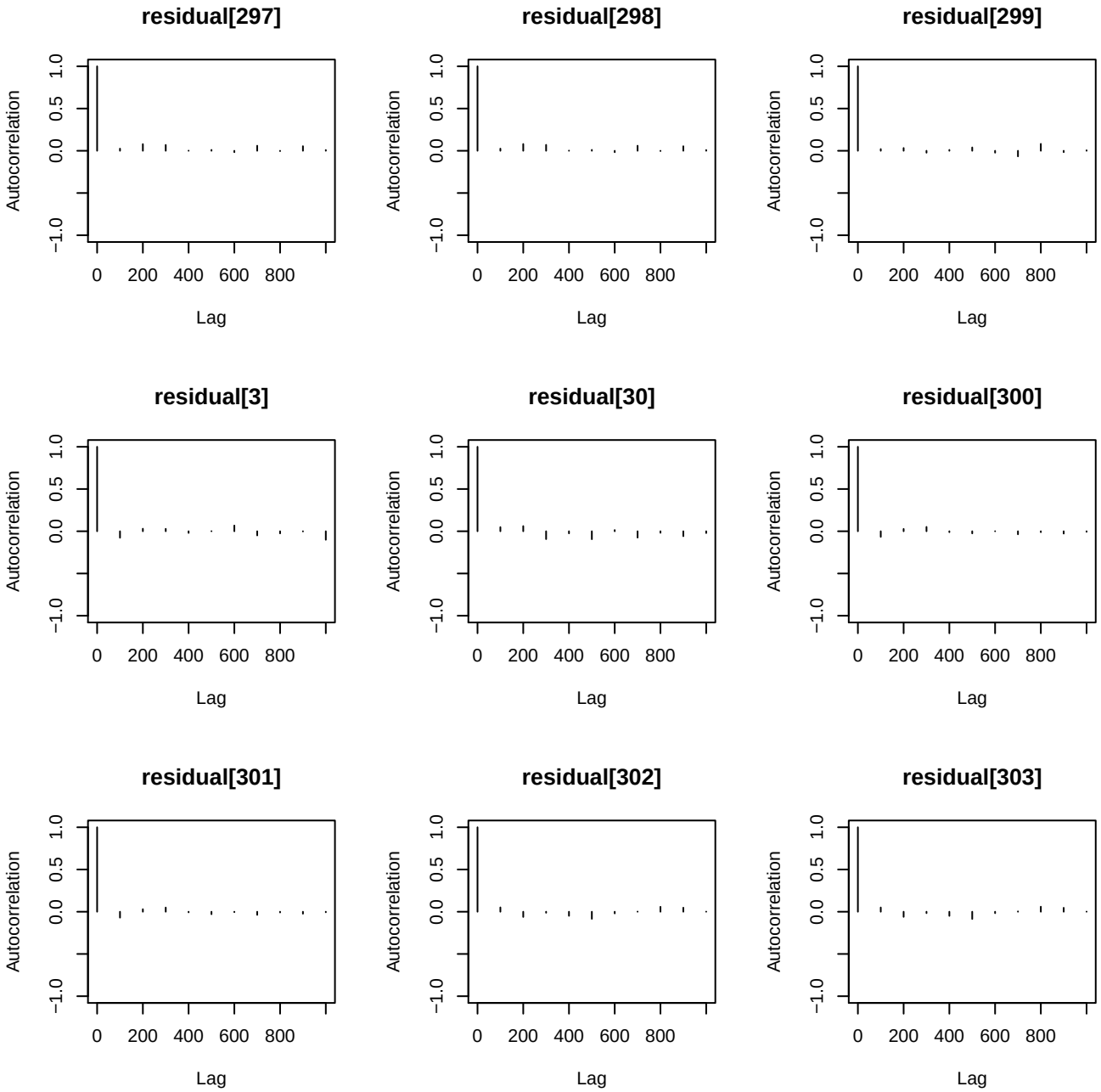

residual[256]
residual[257]
residual[258]
residual[259]
residual[26]
residual[260]
residual[261]
residual[262]
residual[263]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

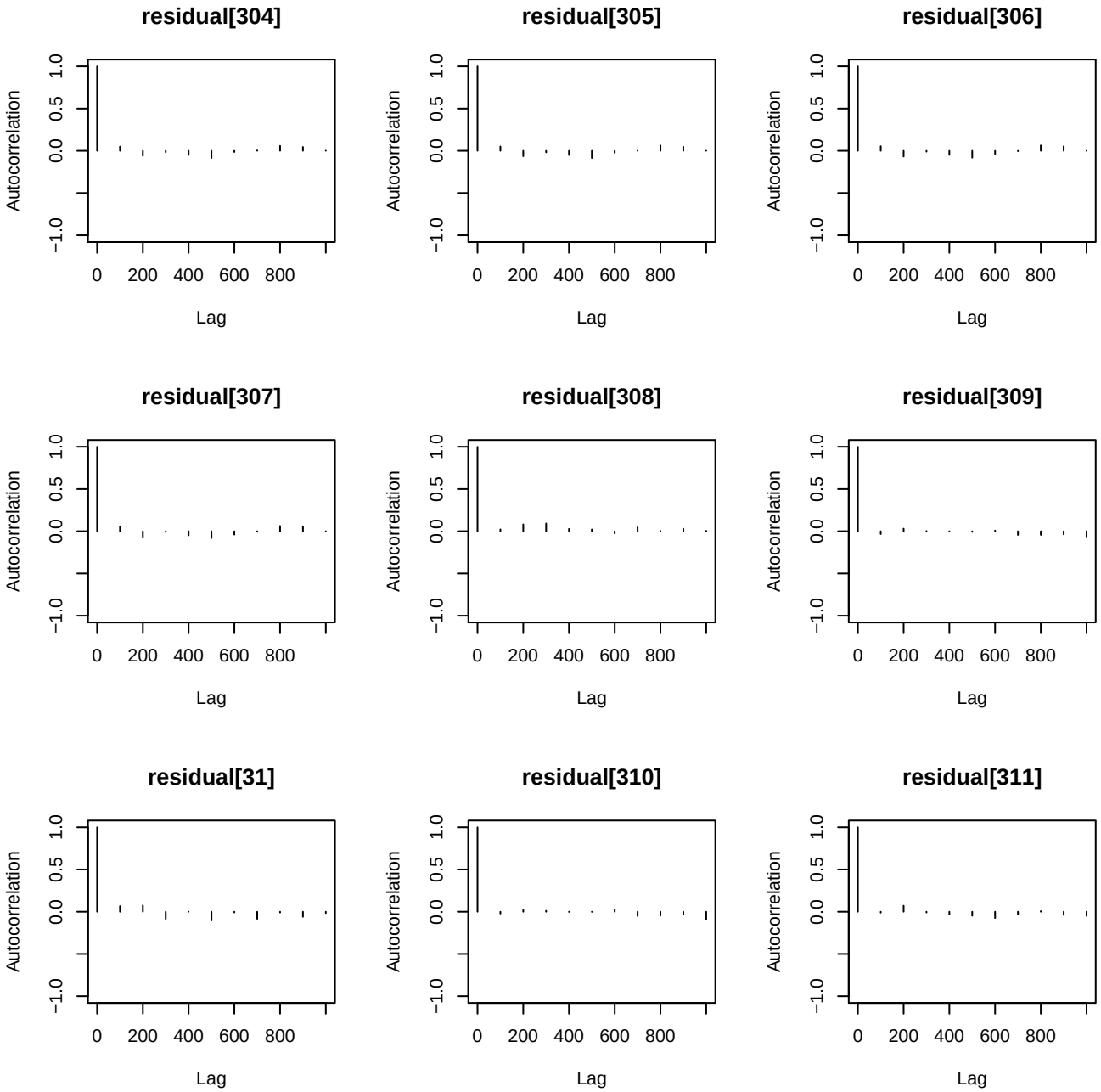

residual[264]
residual[265]
residual[266]
residual[267]
residual[268]
residual[269]
residual[27]
residual[270]
residual[271]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

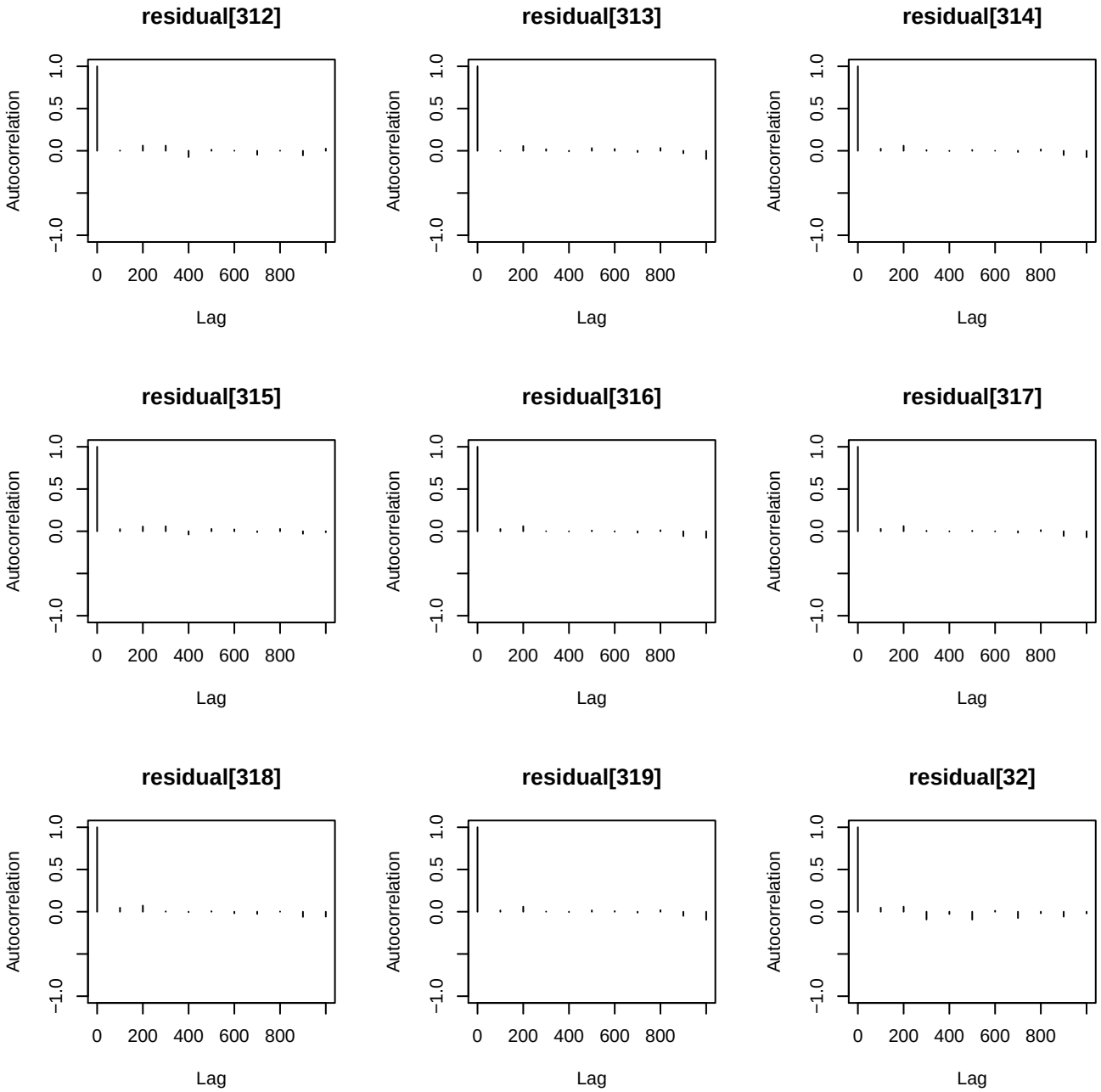

residual[272]
residual[273]
residual[274]
residual[275]
residual[276]
residual[277]
residual[278]
residual[279]
residual[28]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

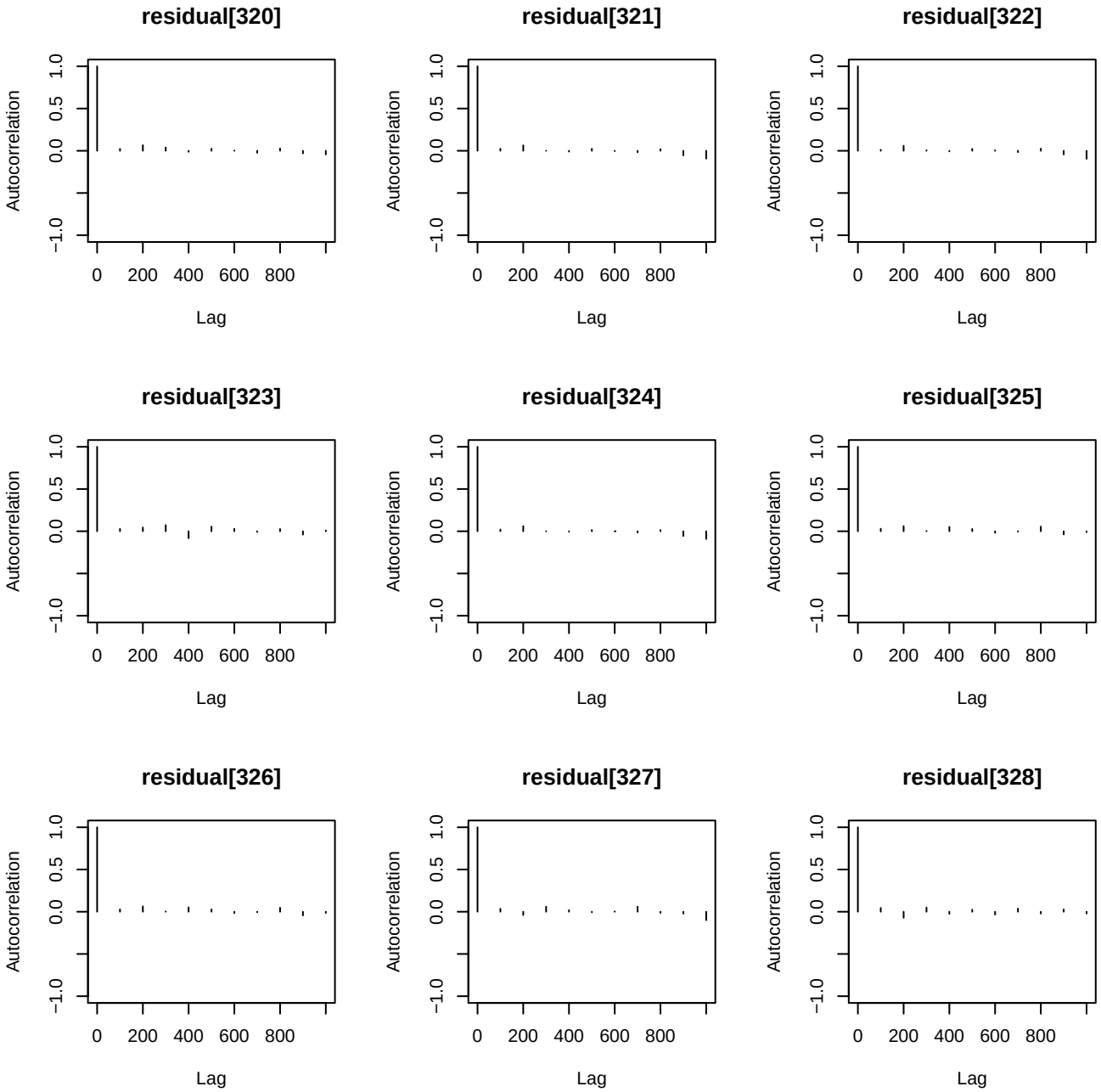

residual[280]
residual[281]
residual[282]
residual[283]
residual[284]
residual[285]
residual[286]
residual[287]
residual[288]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

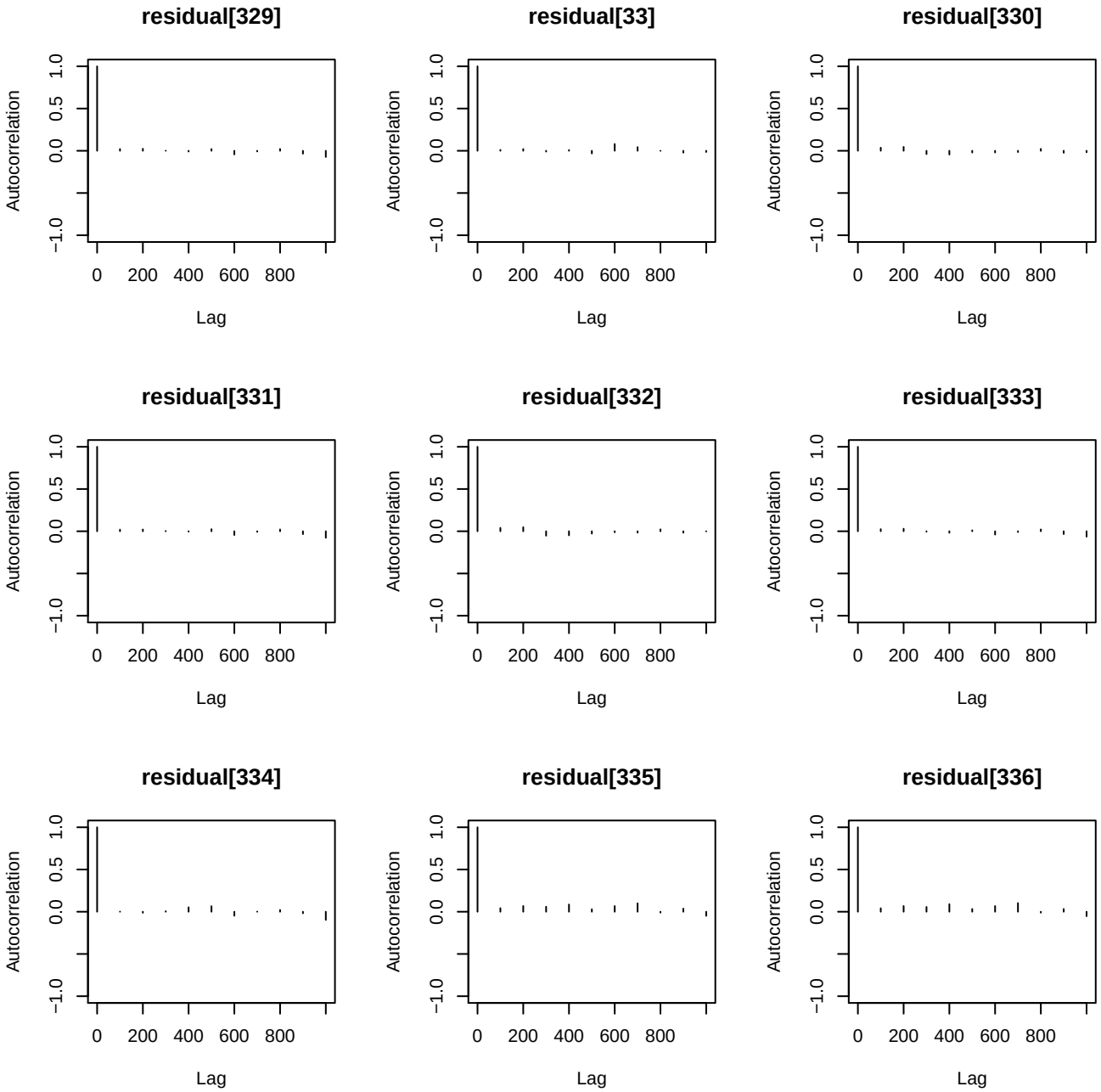

residual[289]
residual[29]
residual[290]
residual[291]
residual[292]
residual[293]
residual[294]
residual[295]
residual[296]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

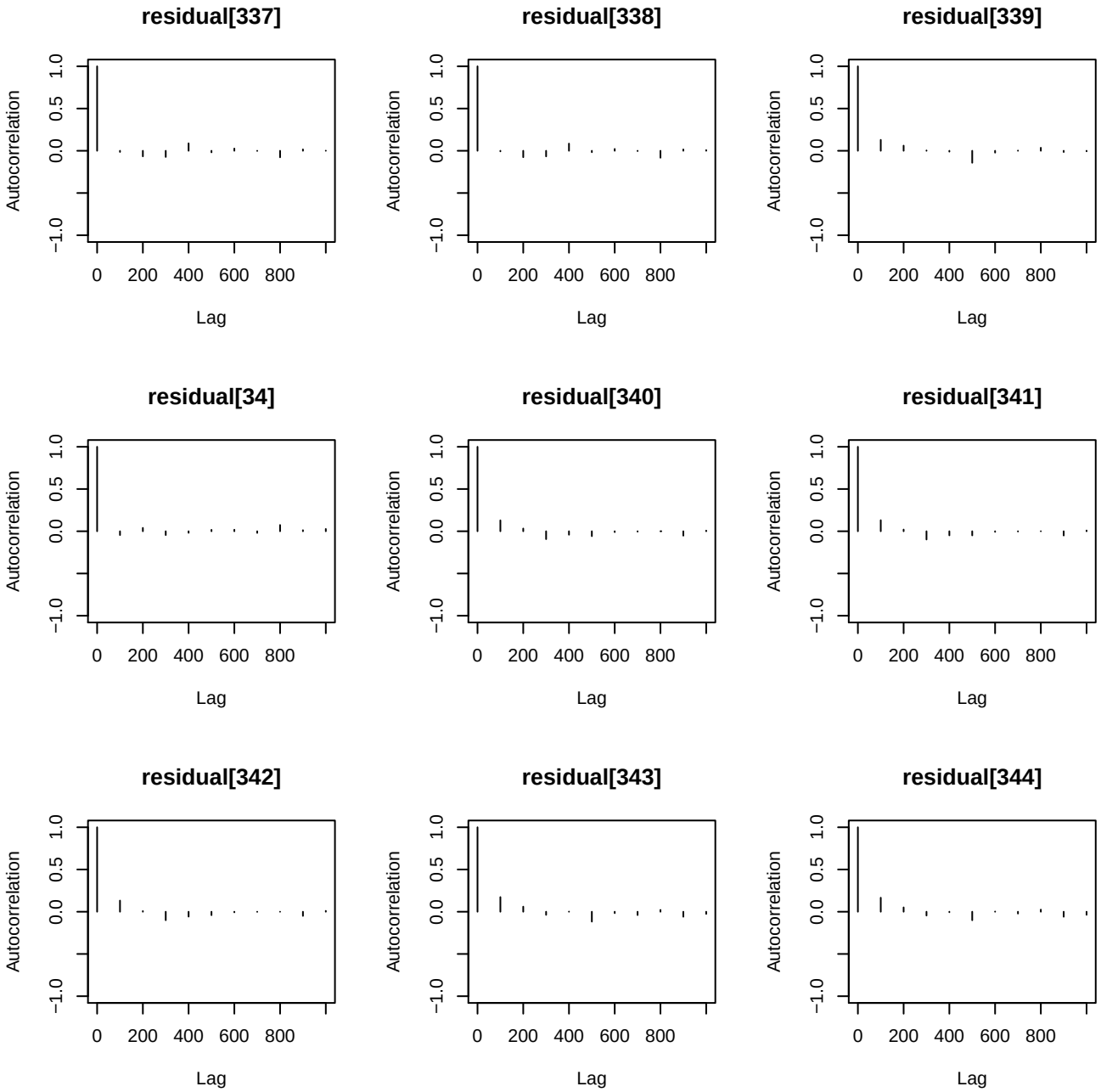

residual[297]
residual[298]
residual[299]
residual[3]
residual[30]
residual[300]
residual[301]
residual[302]
residual[303]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

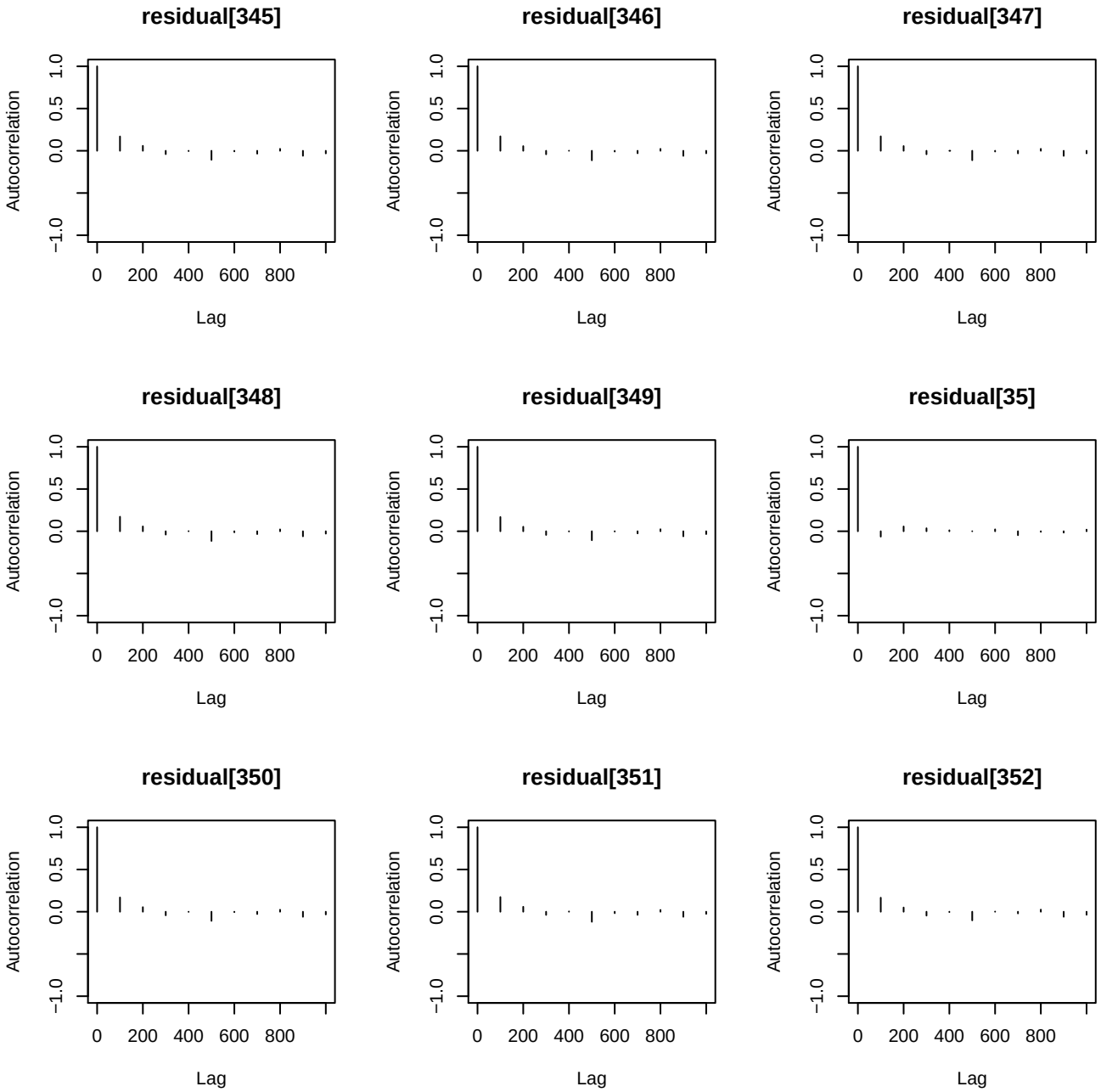

residual[304]
residual[305]
residual[306]
residual[307]
residual[308]
residual[309]
residual[31]
residual[310]
residual[311]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

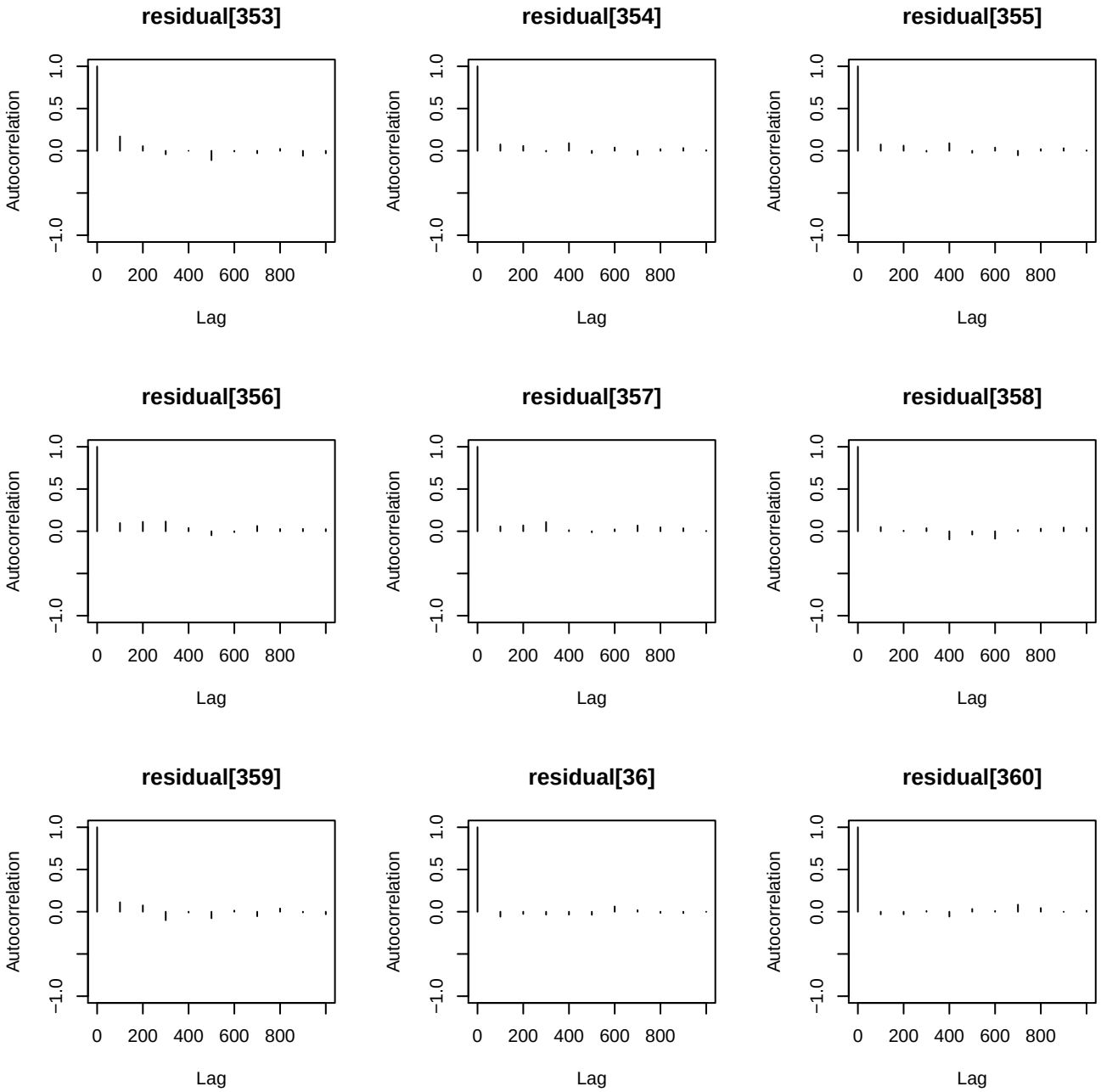

residual[312]
residual[313]
residual[314]
residual[315]
residual[316]
residual[317]
residual[318]
residual[319]
residual[32]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

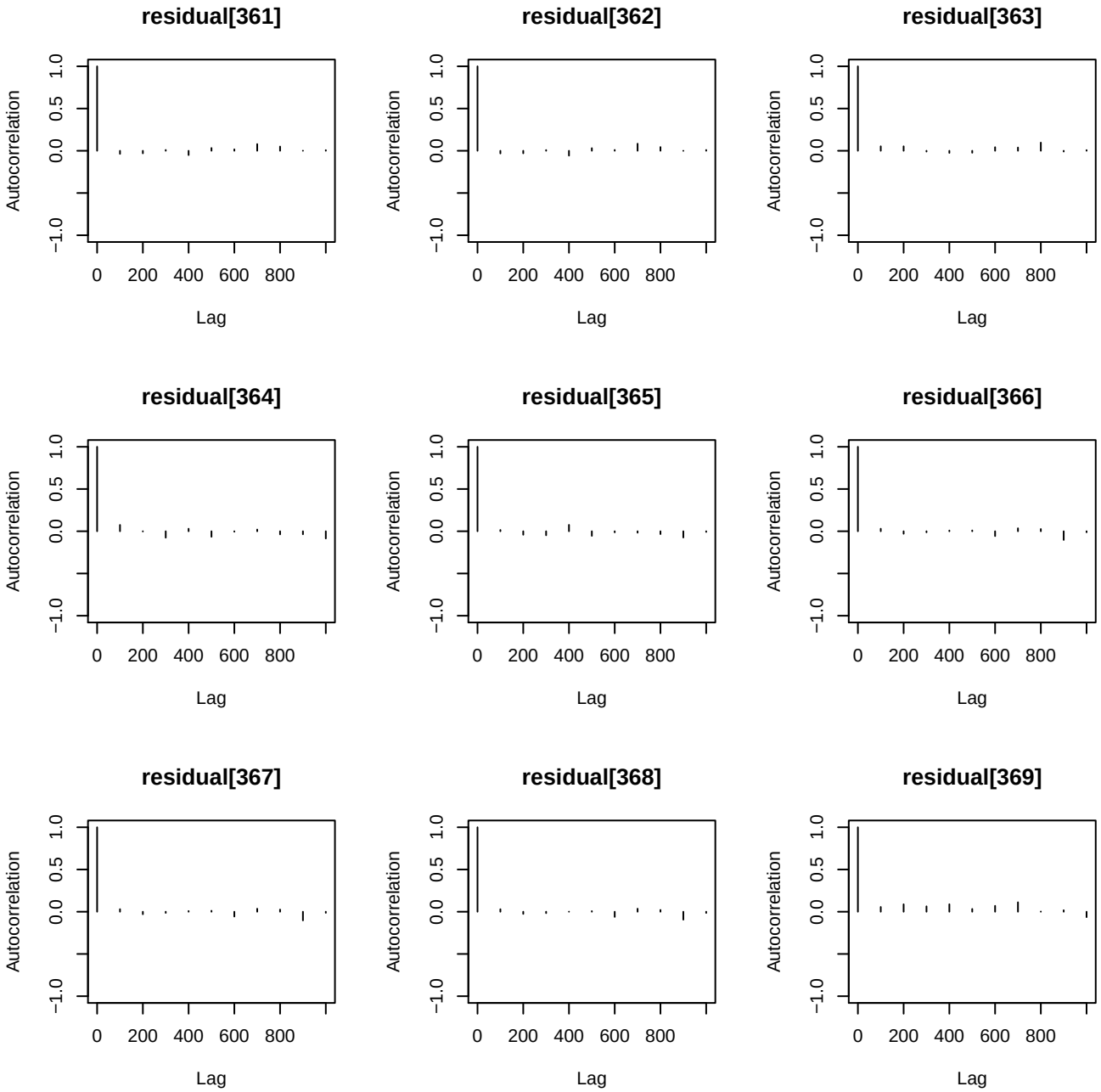

residual[320]
residual[321]
residual[322]
residual[323]
residual[324]
residual[325]
residual[326]
residual[327]
residual[328]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

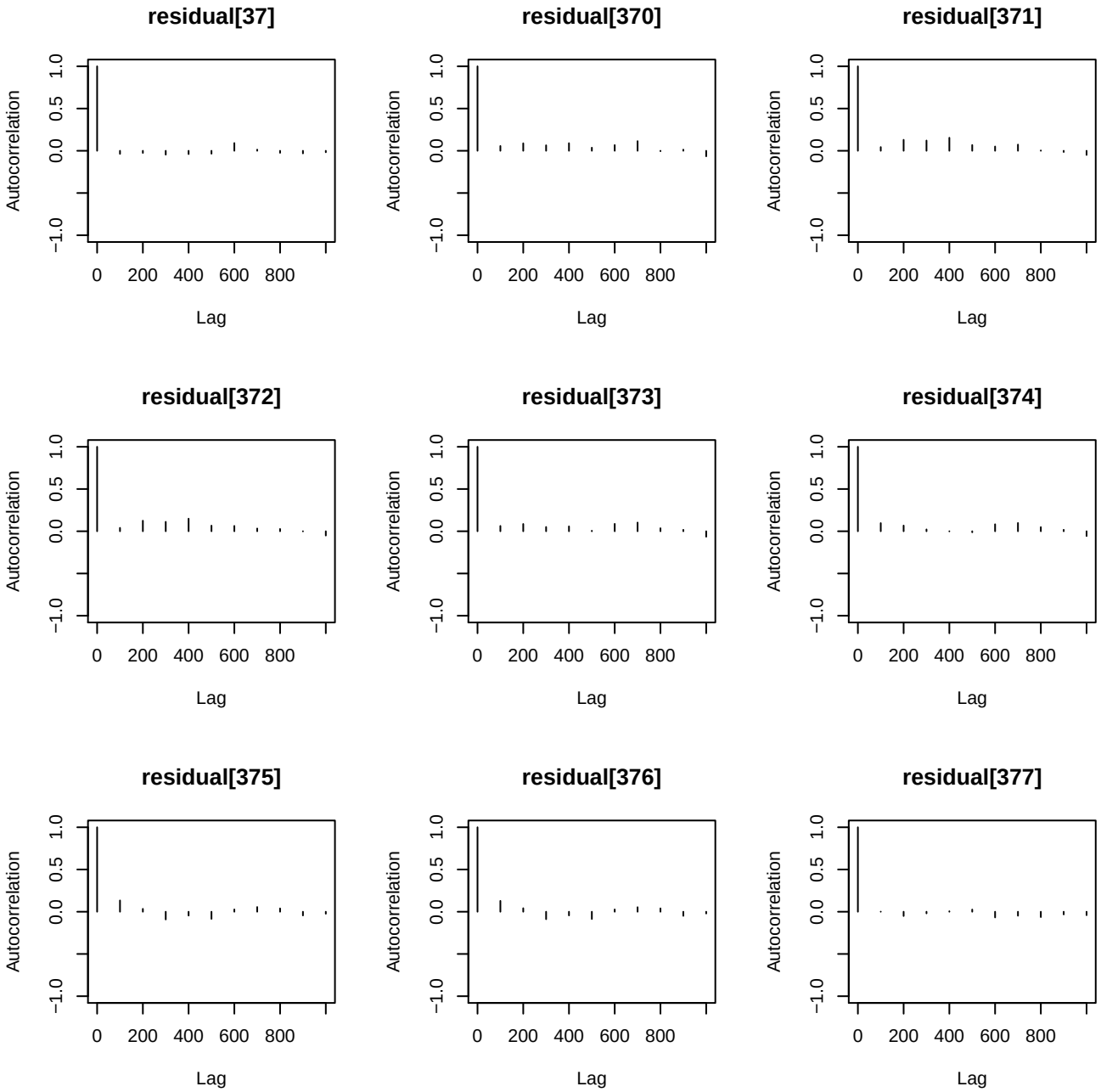

residual[329]
residual[33]
residual[330]
residual[331]
residual[332]
residual[333]
residual[334]
residual[335]
residual[336]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

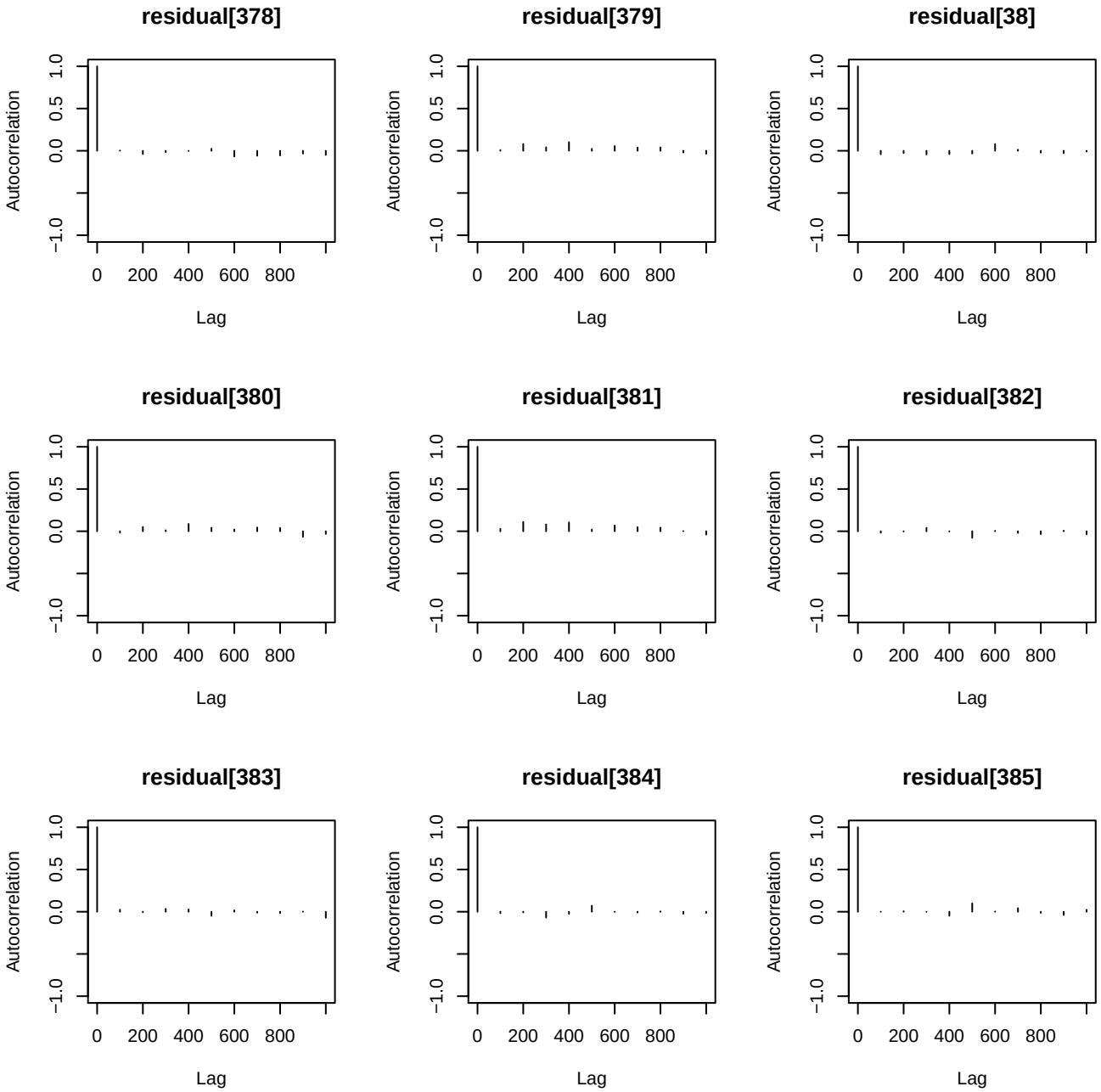

residual[337]
residual[338]
residual[339]
residual[34]
residual[340]
residual[341]
residual[342]
residual[343]
residual[344]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

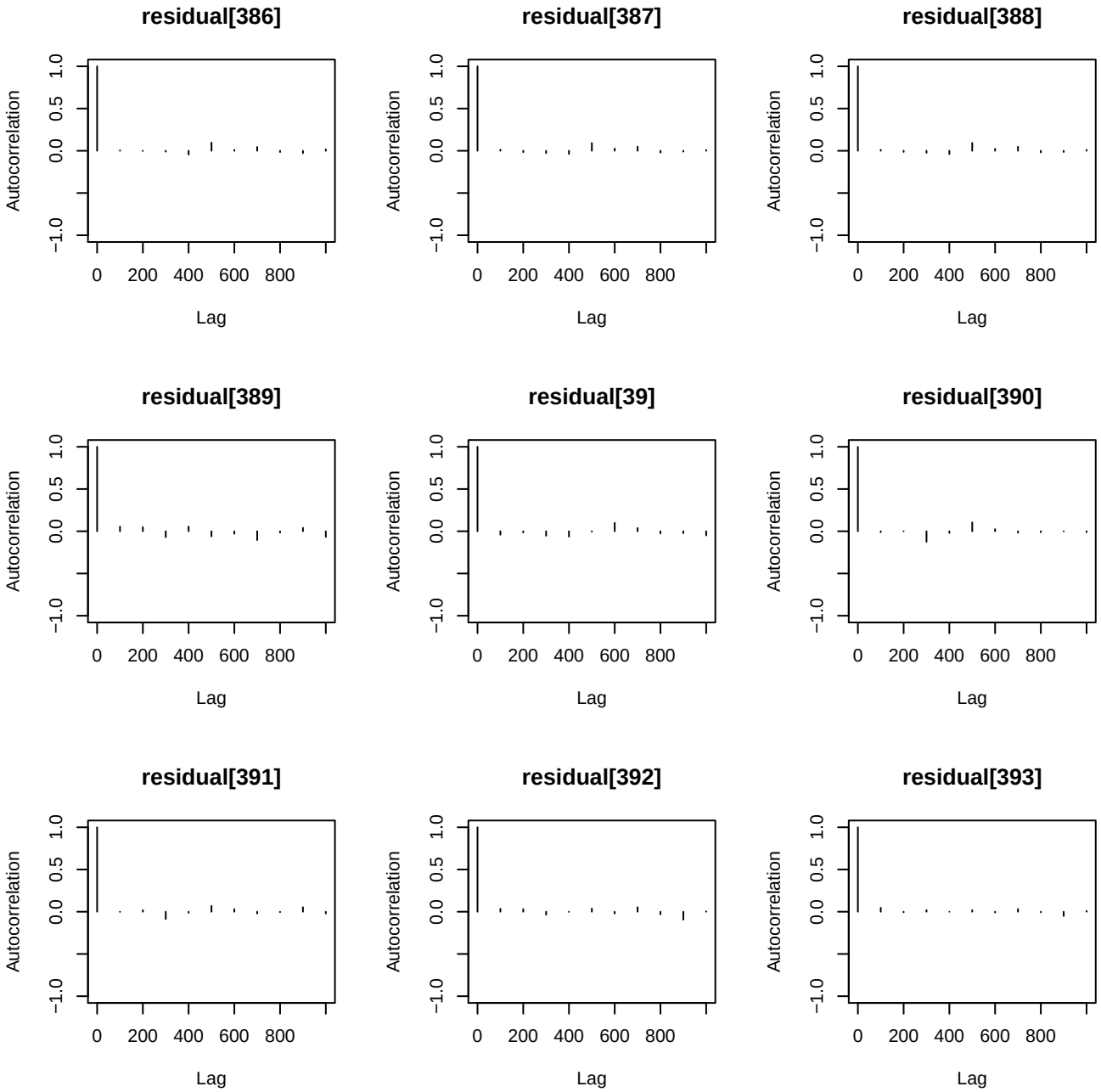

residual[345]
residual[346]
residual[347]
residual[348]
residual[349]
residual[35]
residual[350]
residual[351]
residual[352]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

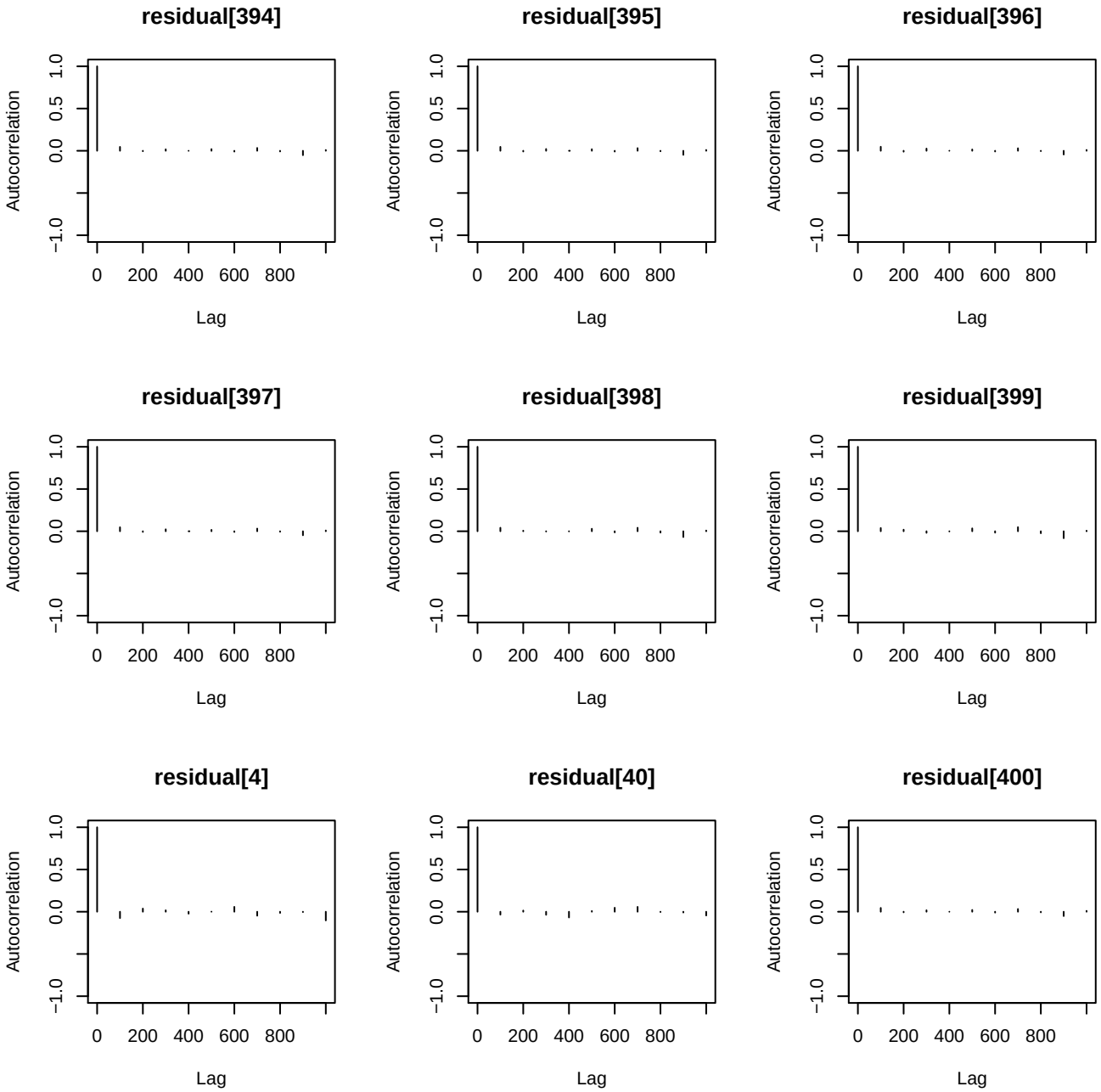

residual[353]
residual[354]
residual[355]
residual[356]
residual[357]
residual[358]
residual[359]
residual[36]
residual[360]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

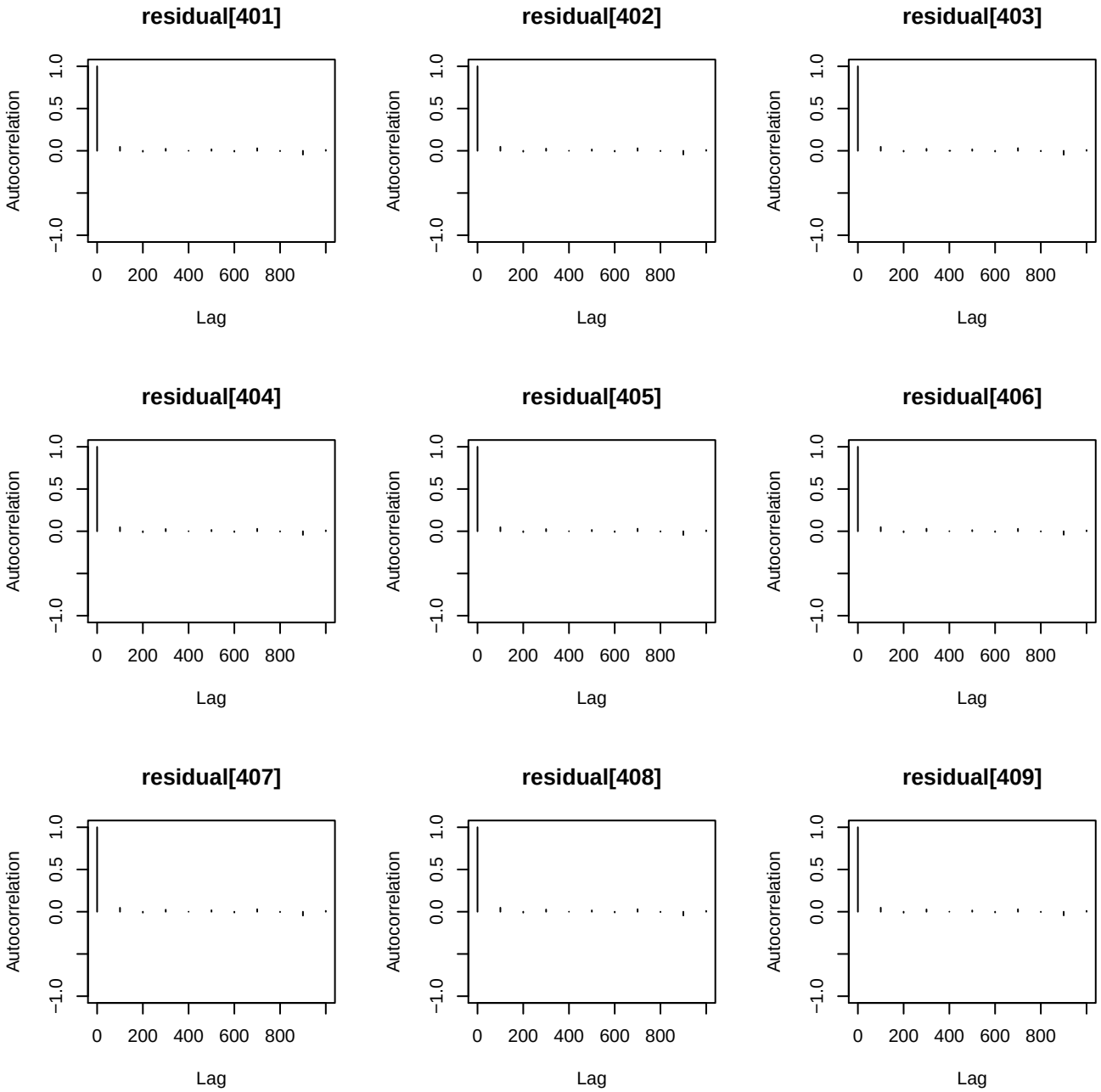

residual[361]
residual[362]
residual[363]
residual[364]
residual[365]
residual[366]
residual[367]
residual[368]
residual[369]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

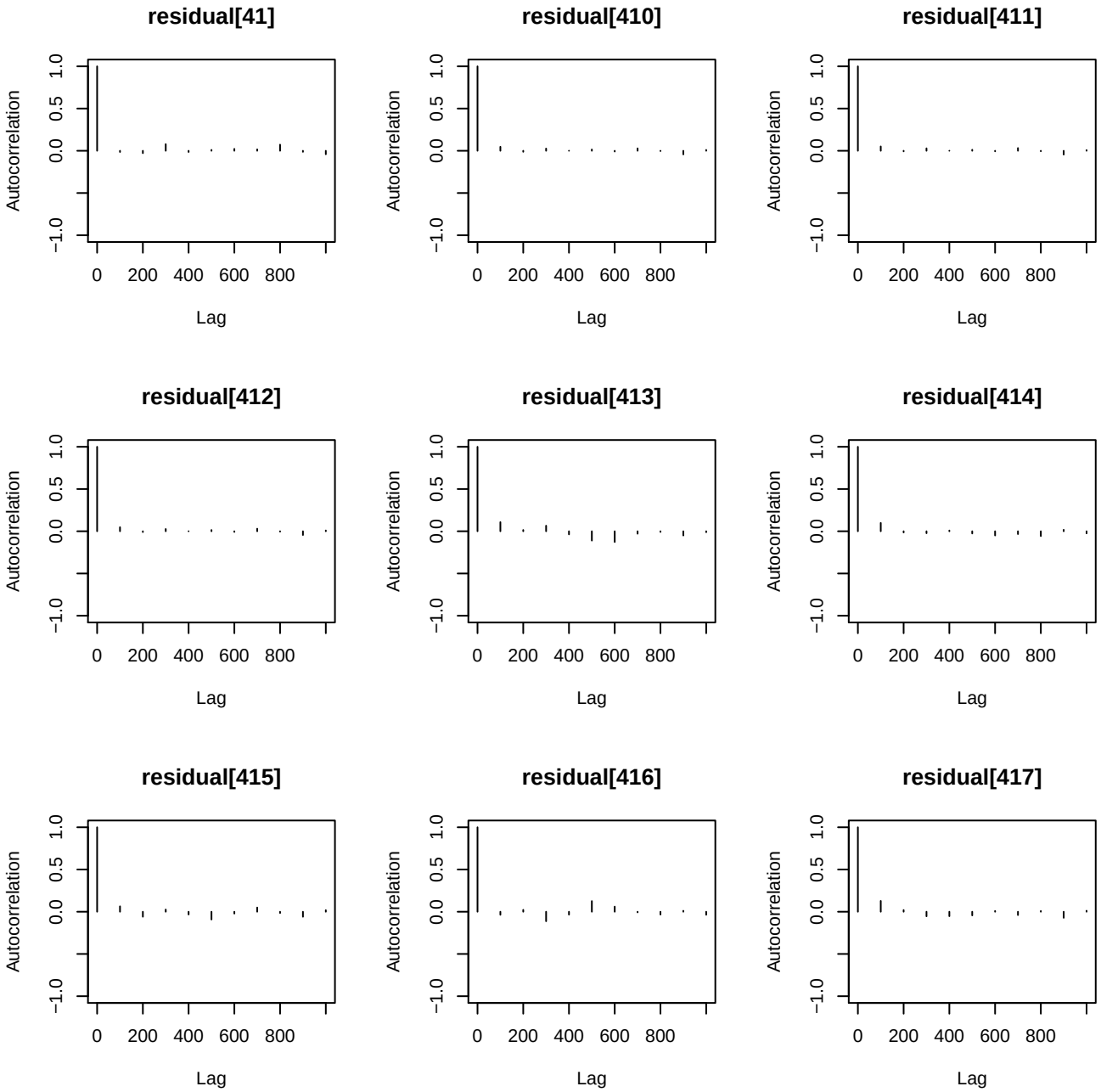

residual[37]
residual[370]
residual[371]
residual[372]
residual[373]
residual[374]
residual[375]
residual[376]
residual[377]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

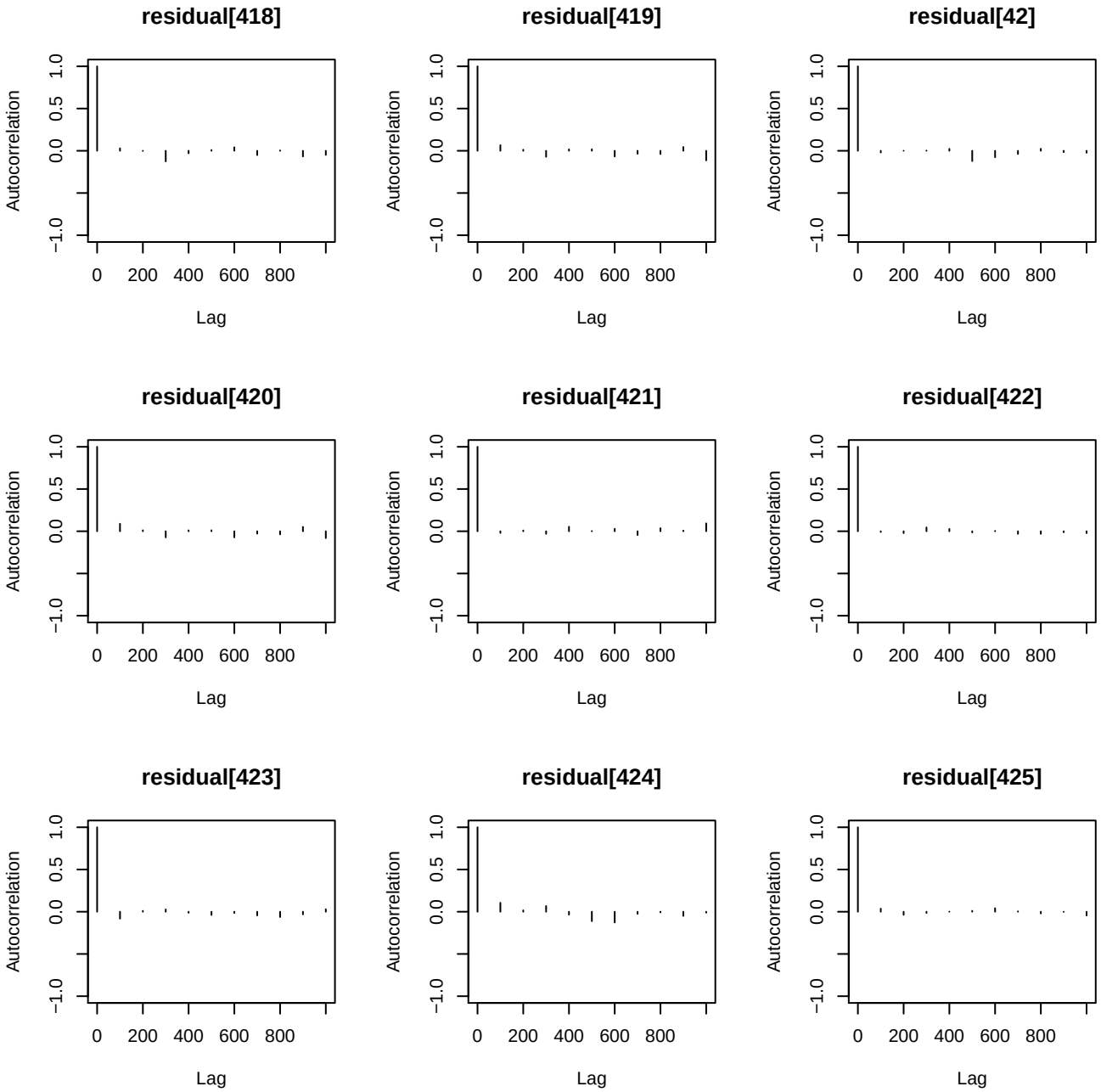

residual[378]
residual[379]
residual[38]
residual[380]
residual[381]
residual[382]
residual[383]
residual[384]
residual[385]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

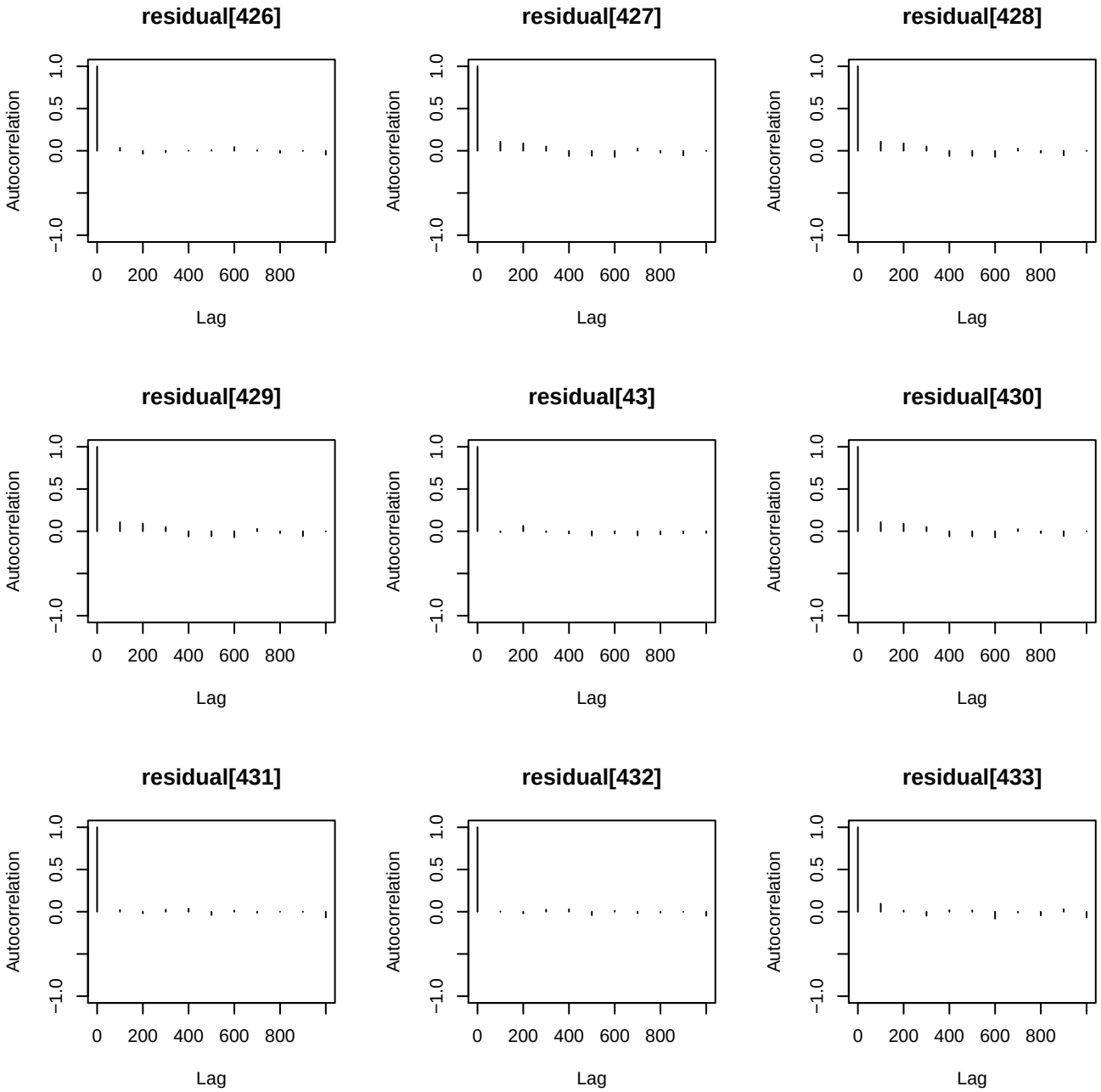

residual[386]
residual[387]
residual[388]
residual[389]
residual[39]
residual[390]
residual[391]
residual[392]
residual[393]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

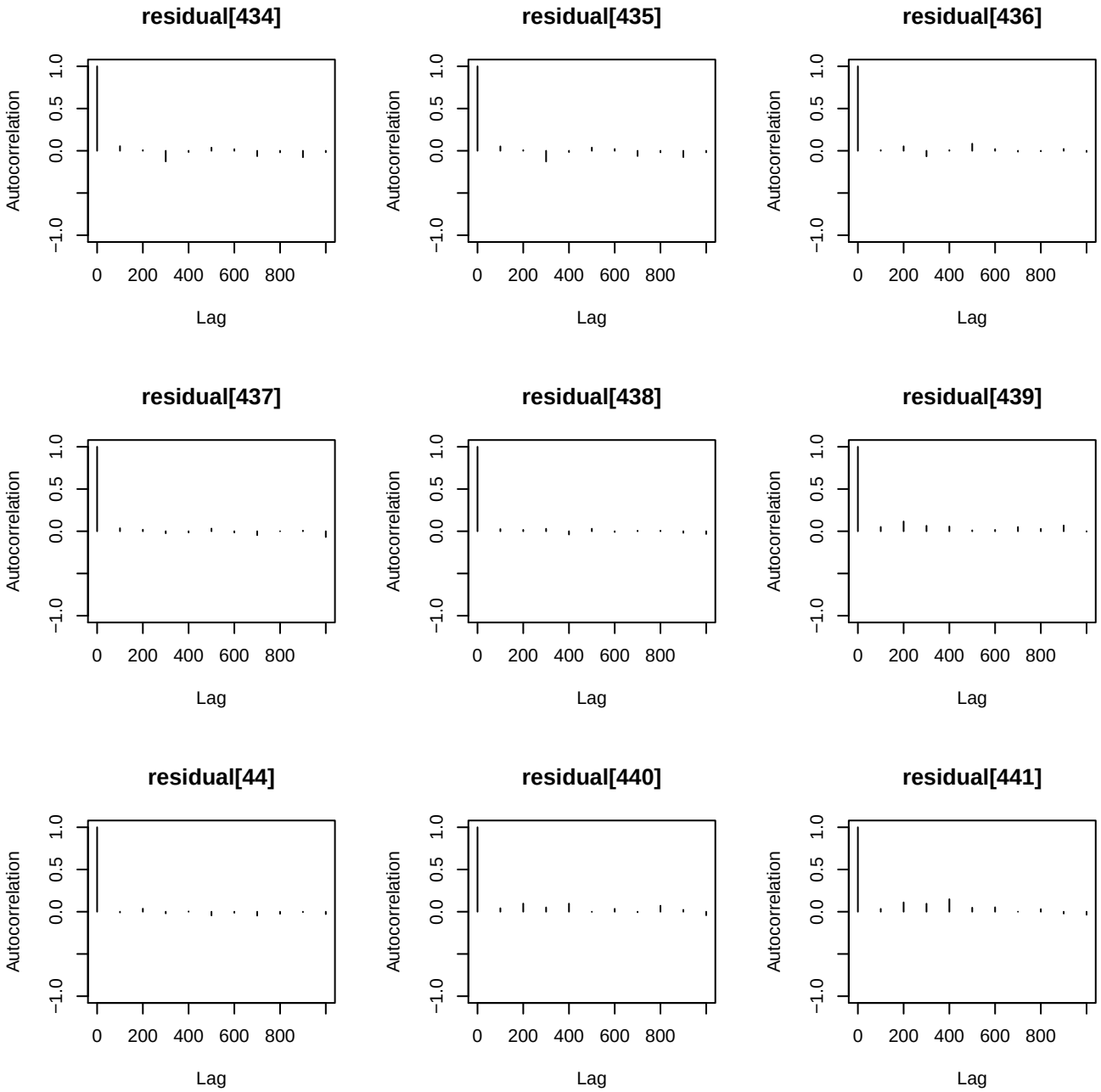

residual[394]
residual[395]
residual[396]
residual[397]
residual[398]
residual[399]
residual[4]
residual[40]
residual[400]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

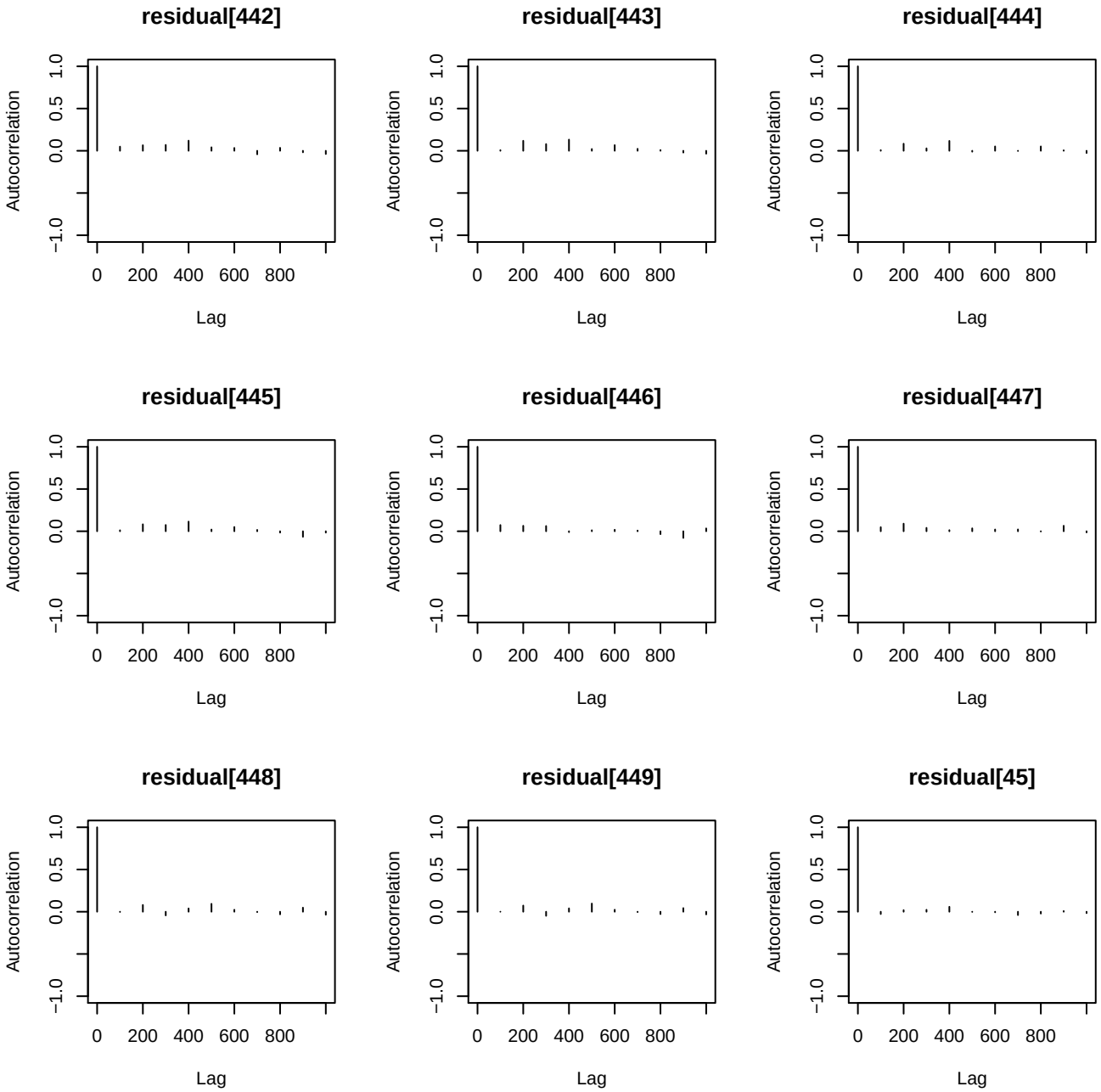

residual[401]
residual[402]
residual[403]
residual[404]
residual[405]
residual[406]
residual[407]
residual[408]
residual[409]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

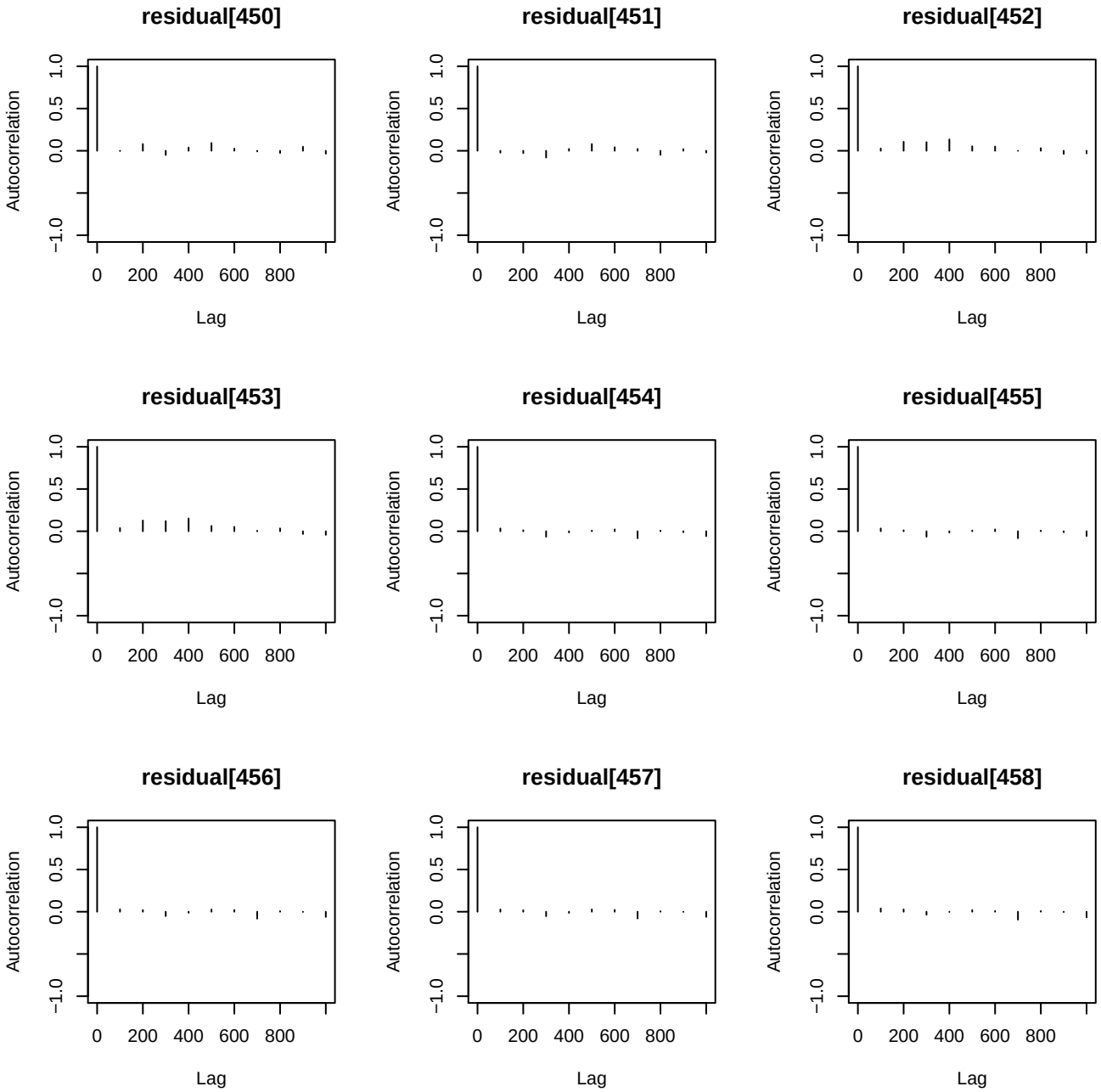

residual[41]
residual[410]
residual[411]
residual[412]
residual[413]
residual[414]
residual[415]
residual[416]
residual[417]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

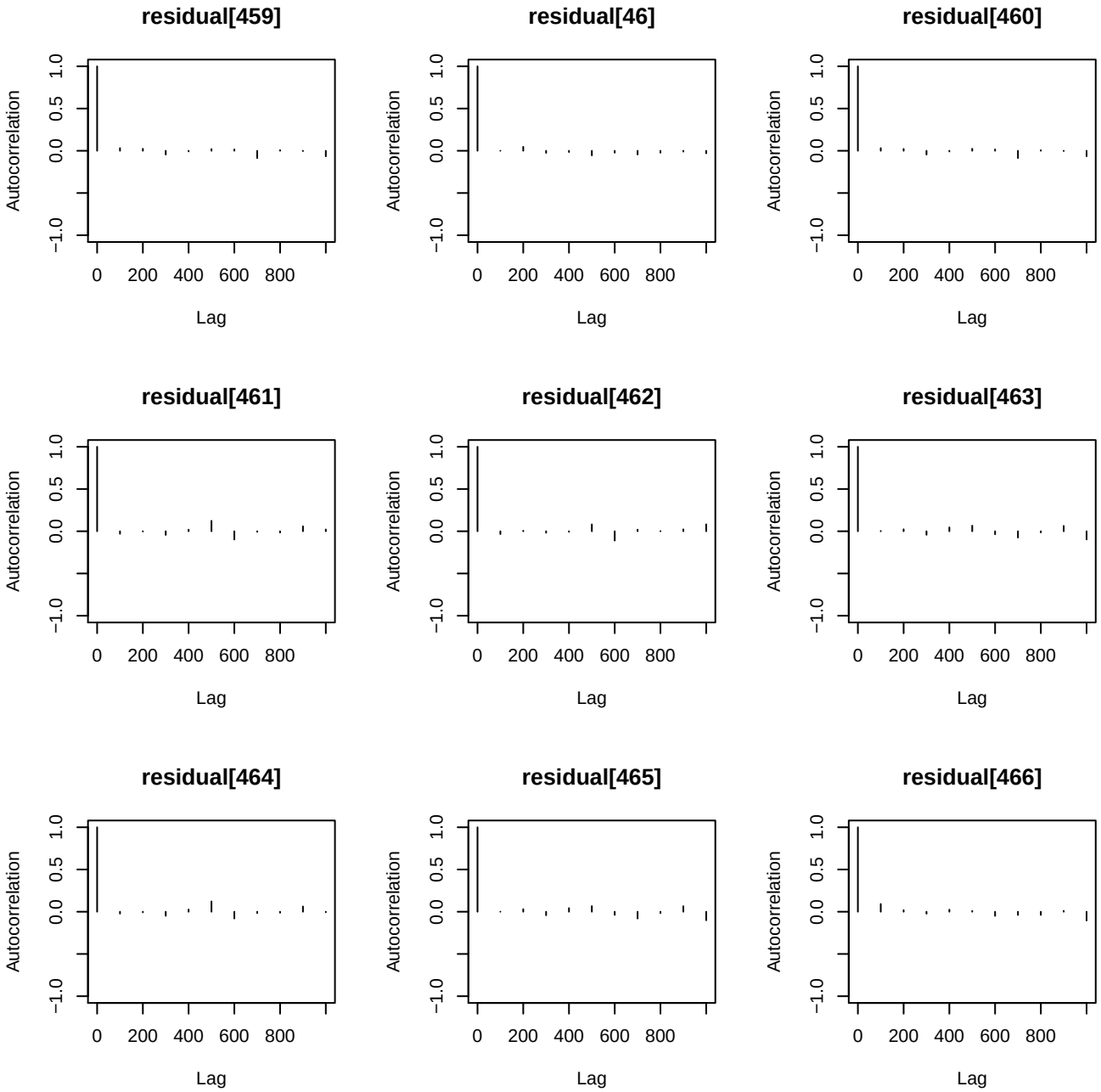

residual[418]
residual[419]
residual[42]
residual[420]
residual[421]
residual[422]
residual[423]
residual[424]
residual[425]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

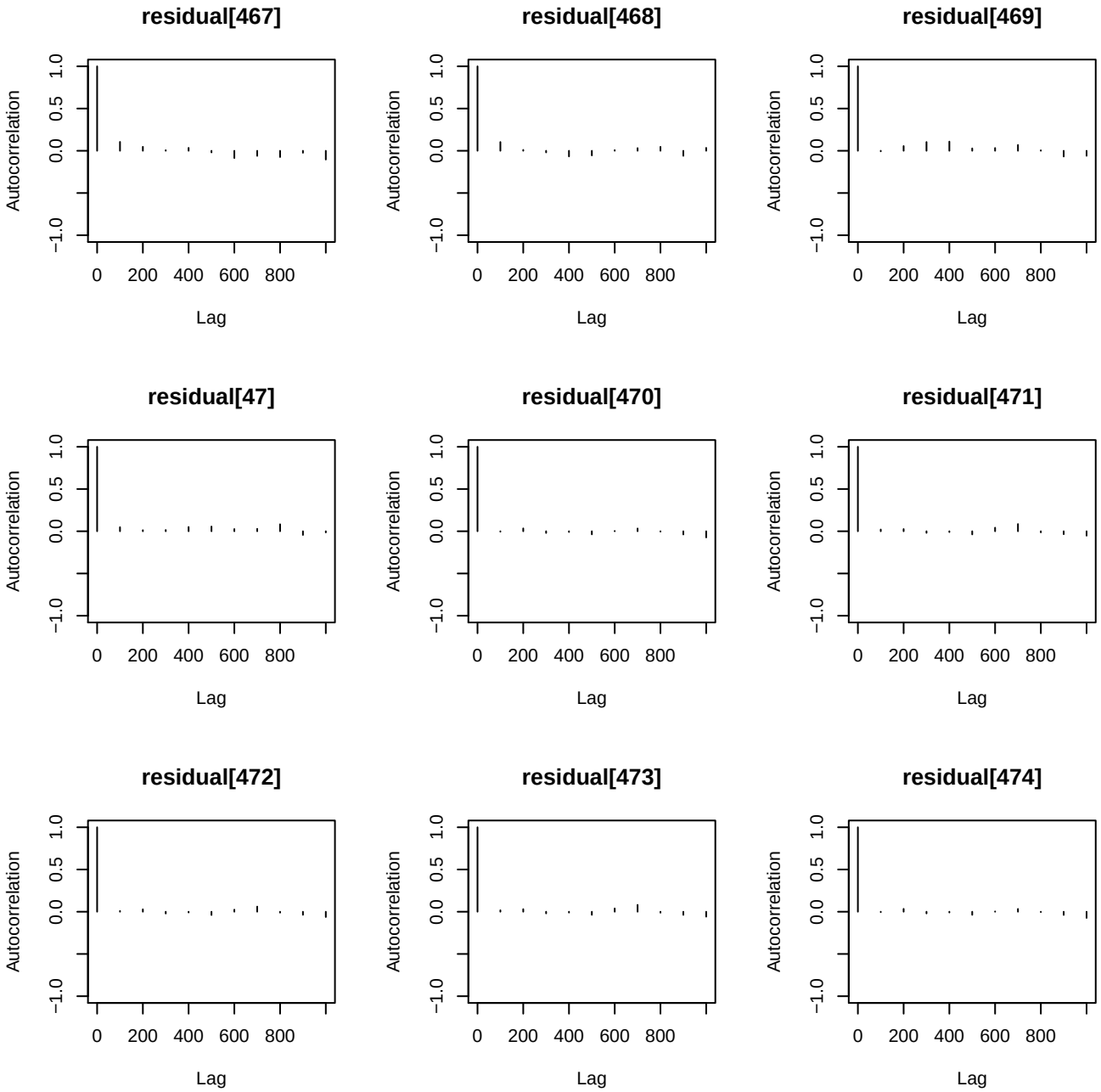

residual[426]
residual[427]
residual[428]
residual[429]
residual[43]
residual[430]
residual[431]
residual[432]
residual[433]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

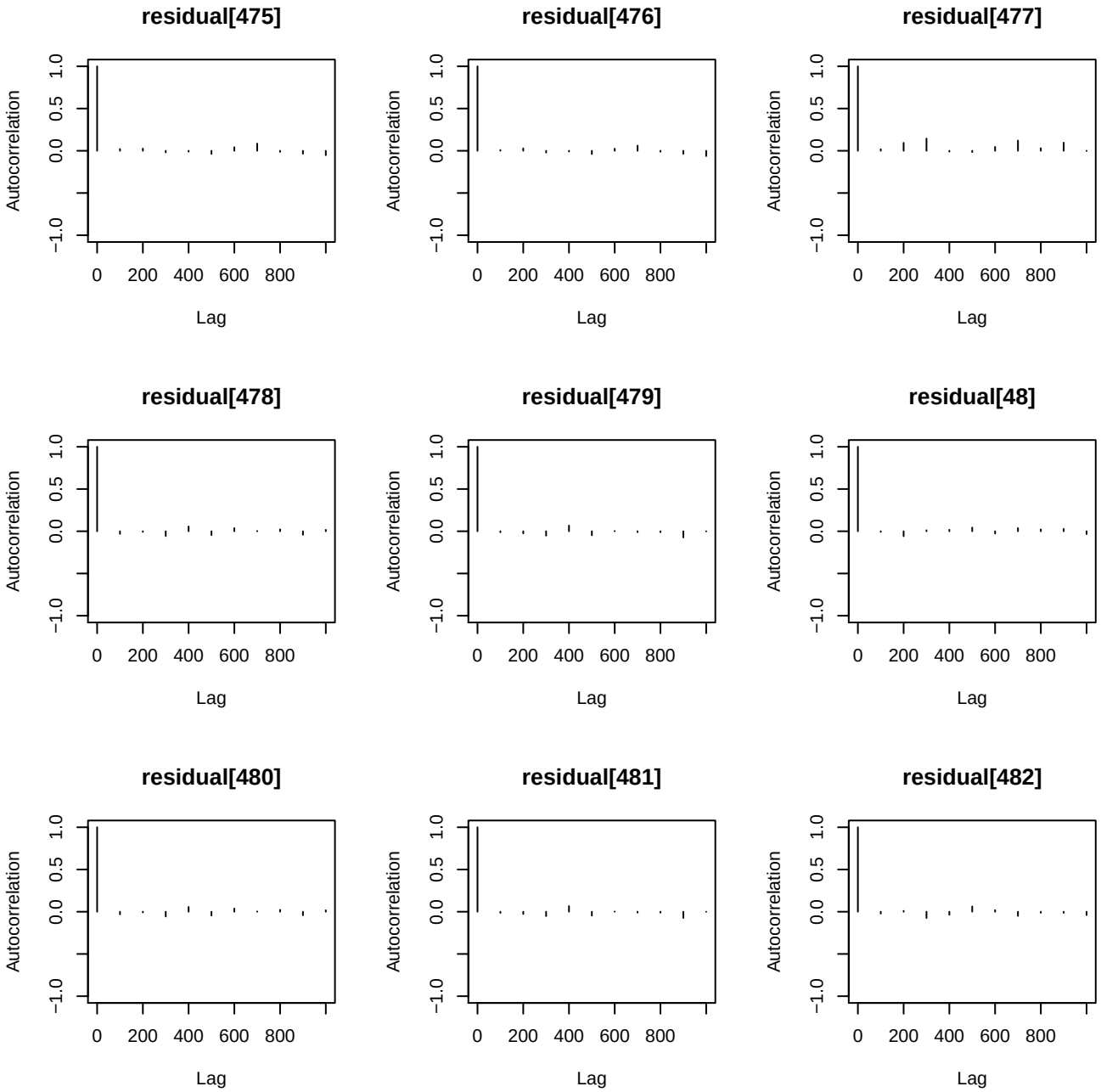

residual[434]
residual[435]
residual[436]
residual[437]
residual[438]
residual[439]
residual[44]
residual[440]
residual[441]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

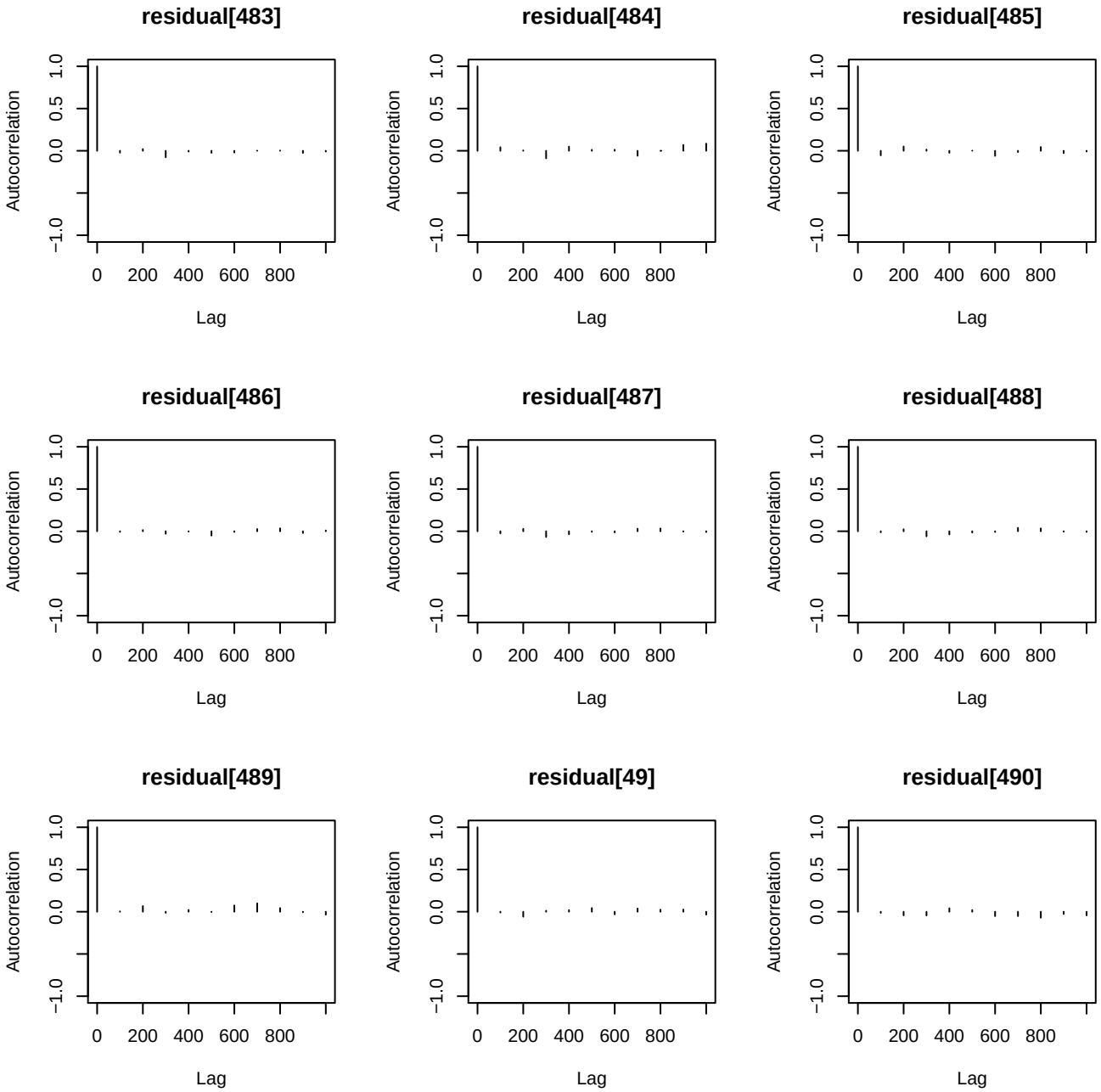

residual[442]
residual[443]
residual[444]
residual[445]
residual[446]
residual[447]
residual[448]
residual[449]
residual[45]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

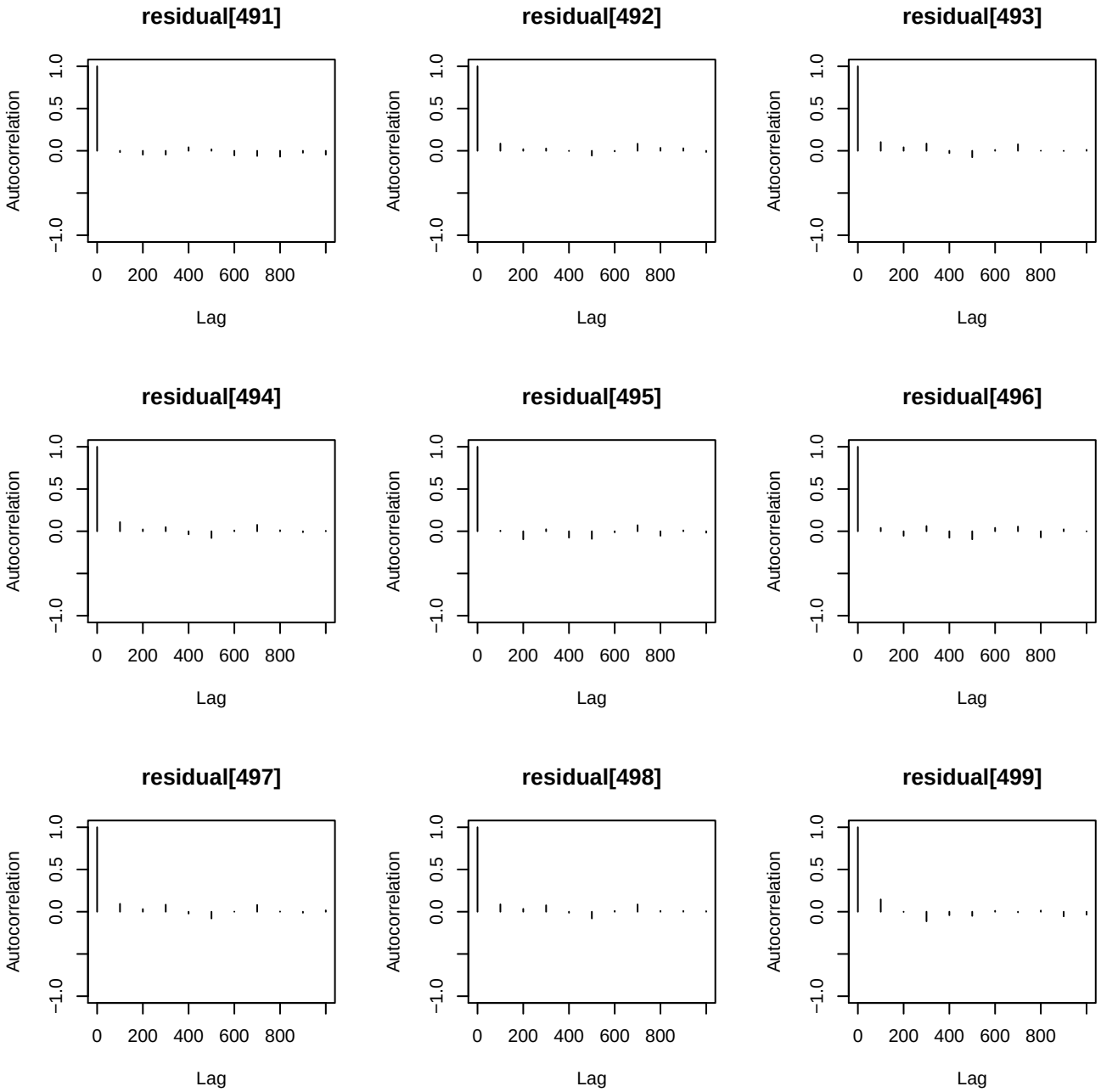

residual[450]
residual[451]
residual[452]
residual[453]
residual[454]
residual[455]
residual[456]
residual[457]
residual[458]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

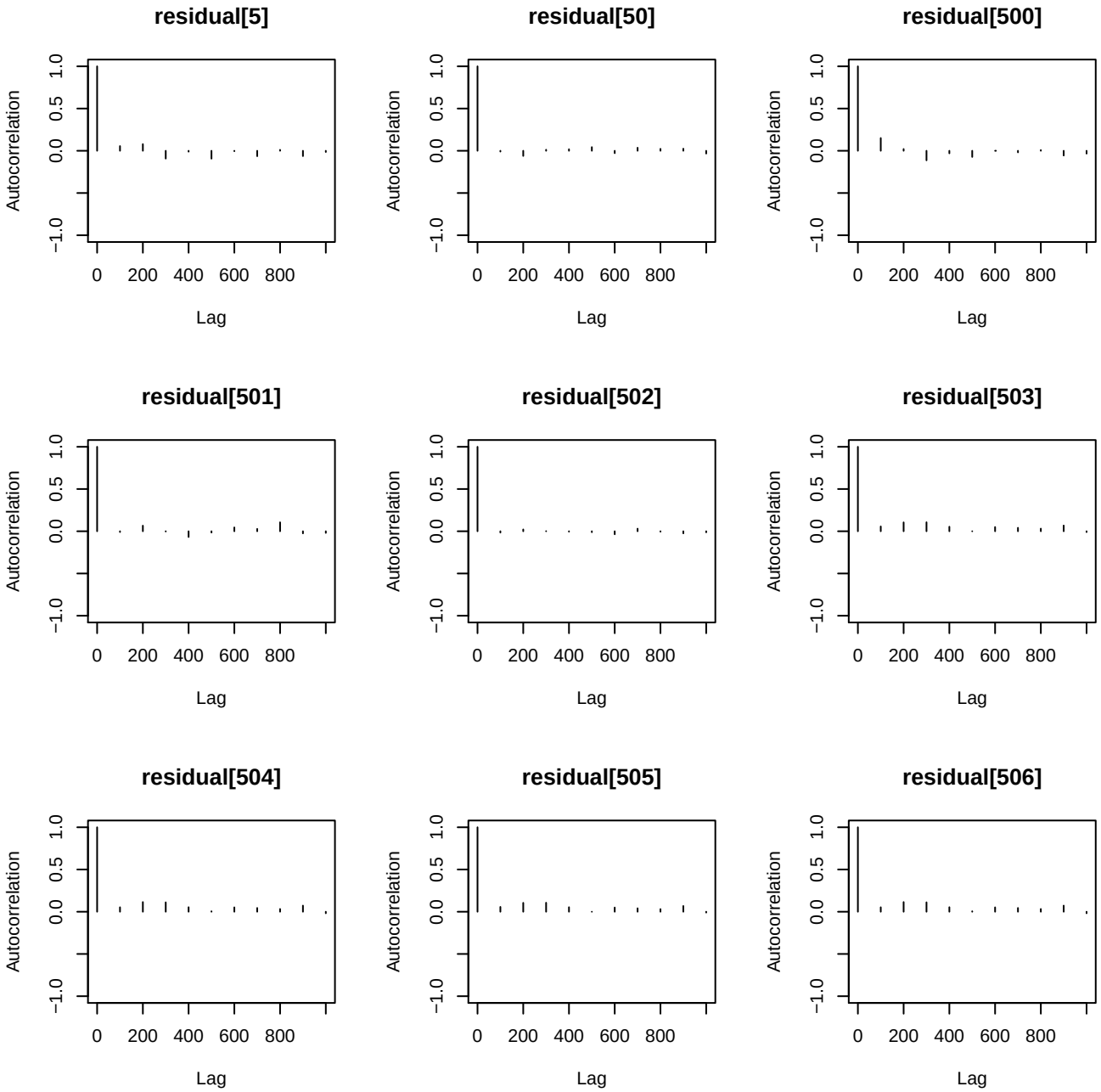

residual[459]
residual[46]
residual[460]
residual[461]
residual[462]
residual[463]
residual[464]
residual[465]
residual[466]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

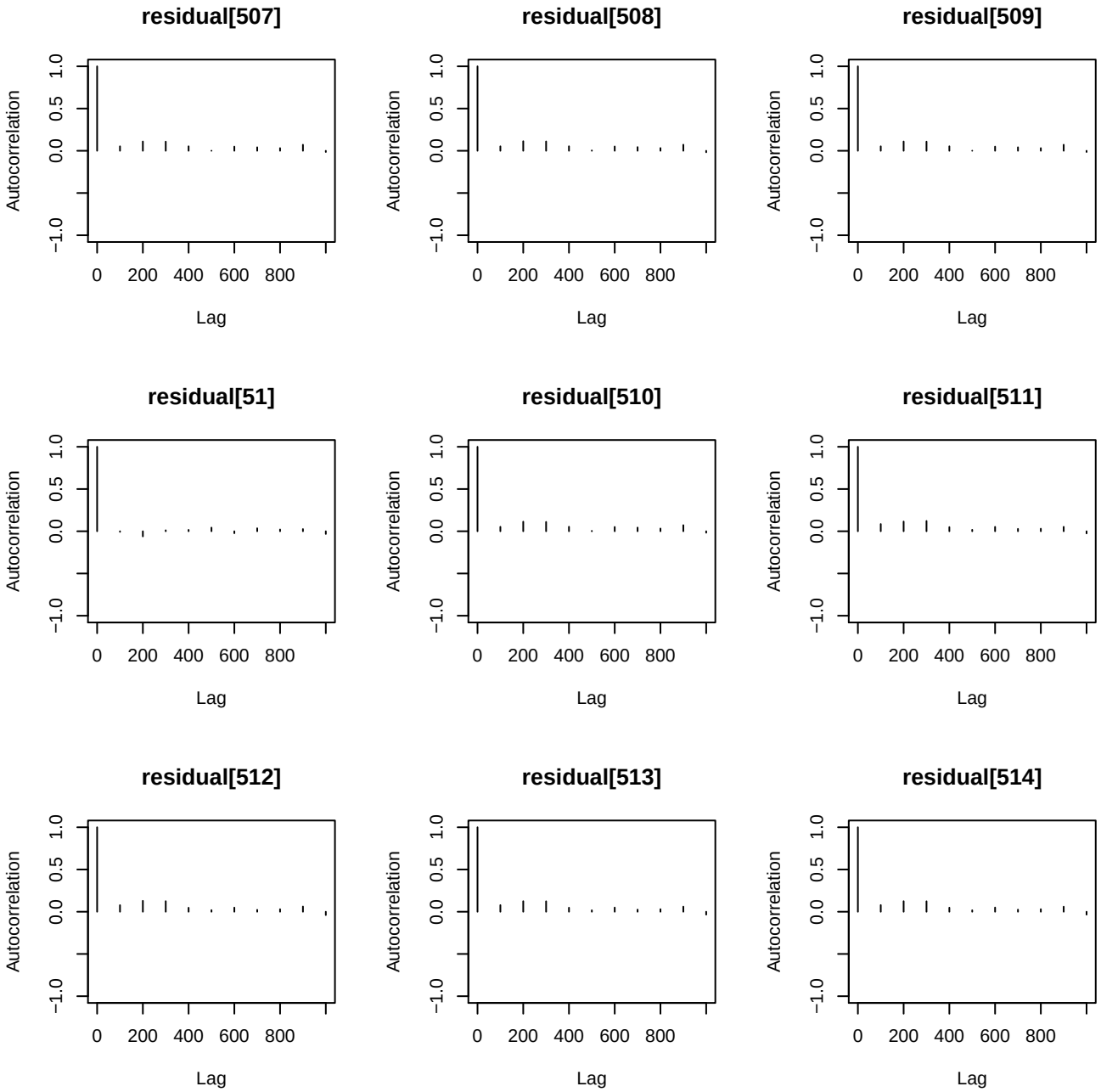

residual[467]
residual[468]
residual[469]
residual[47]
residual[470]
residual[471]
residual[472]
residual[473]
residual[474]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

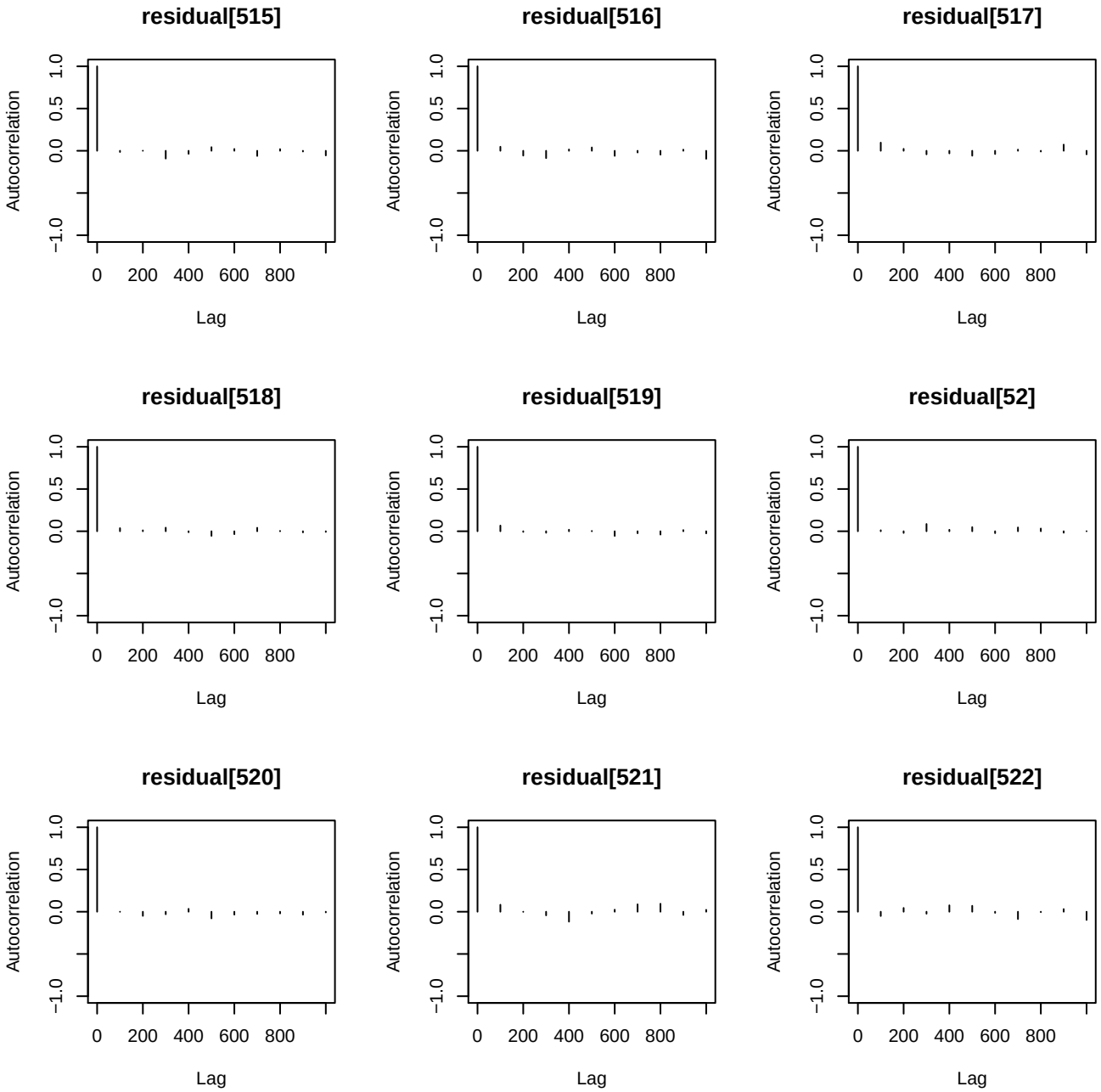

residual[475]
residual[476]
residual[477]
residual[478]
residual[479]
residual[48]
residual[480]
residual[481]
residual[482]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

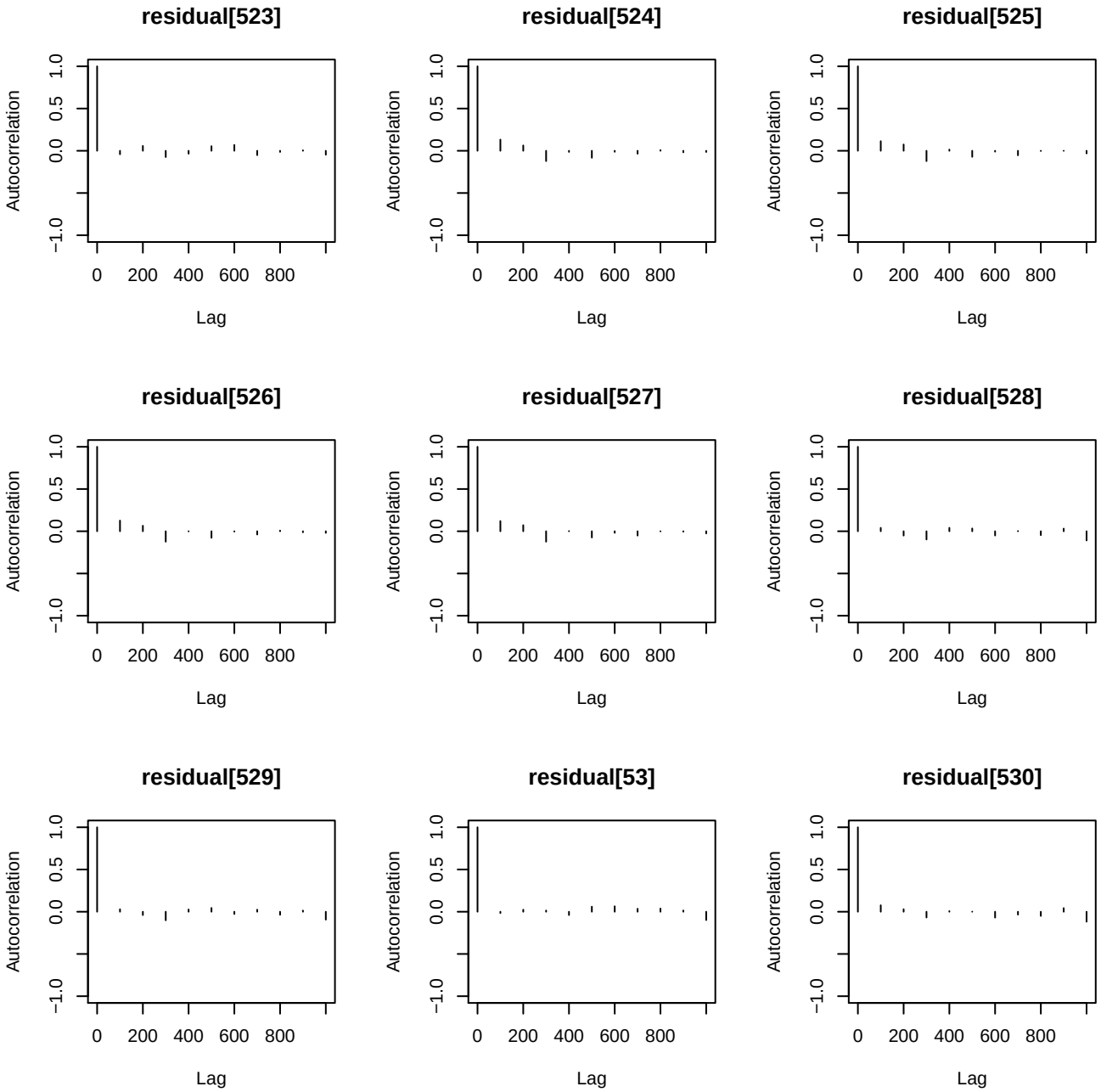

residual[483]
residual[484]
residual[485]
residual[486]
residual[487]
residual[488]
residual[489]
residual[49]
residual[490]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

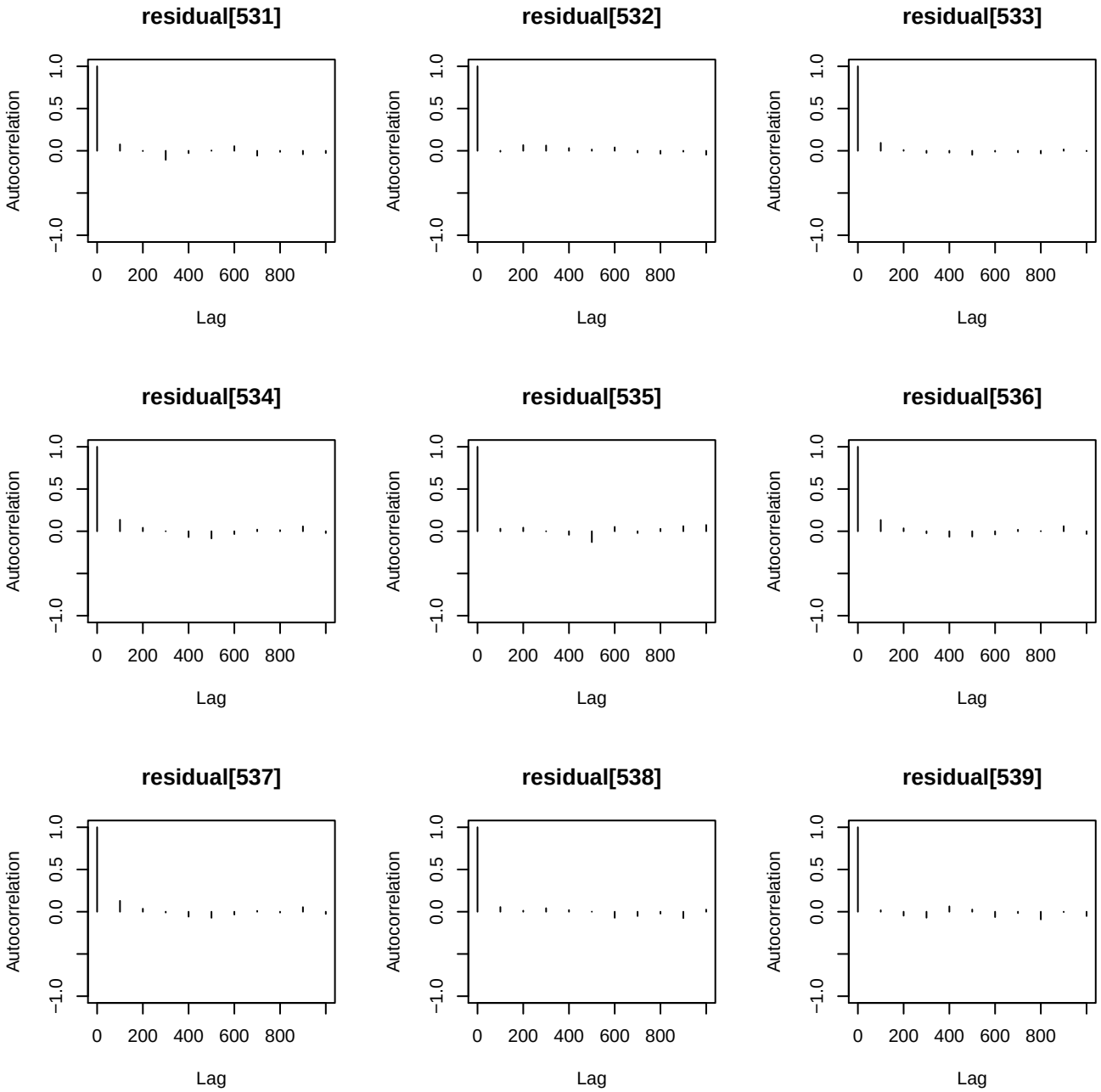

residual[491]
residual[492]
residual[493]
residual[494]
residual[495]
residual[496]
residual[497]
residual[498]
residual[499]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

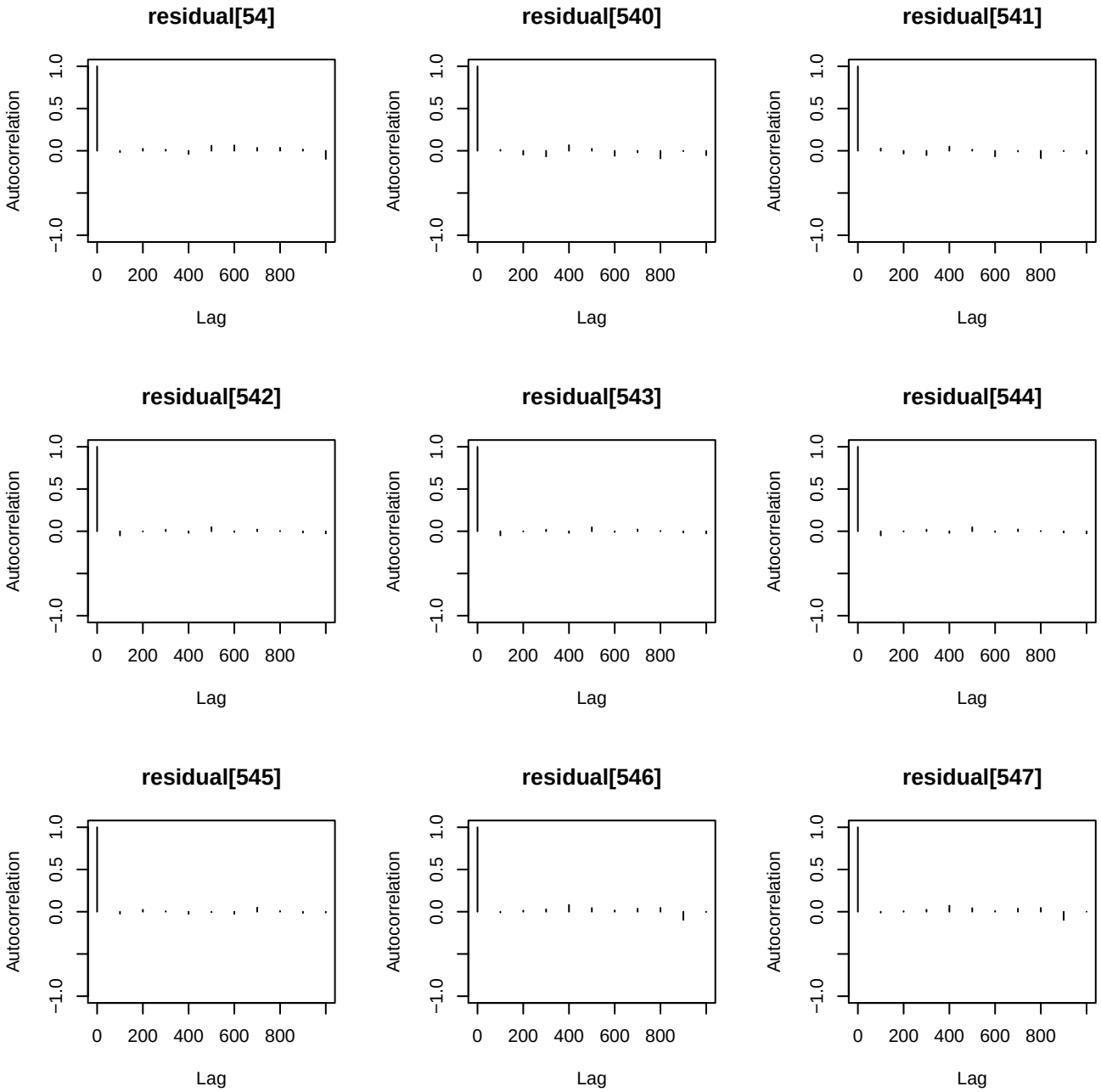

residual[5]
residual[50]
residual[500]
residual[501]
residual[502]
residual[503]
residual[504]
residual[505]
residual[506]
Autocorrelation
−1.0
0.0
0.5
1.0
0
200
400
600
800
Lag

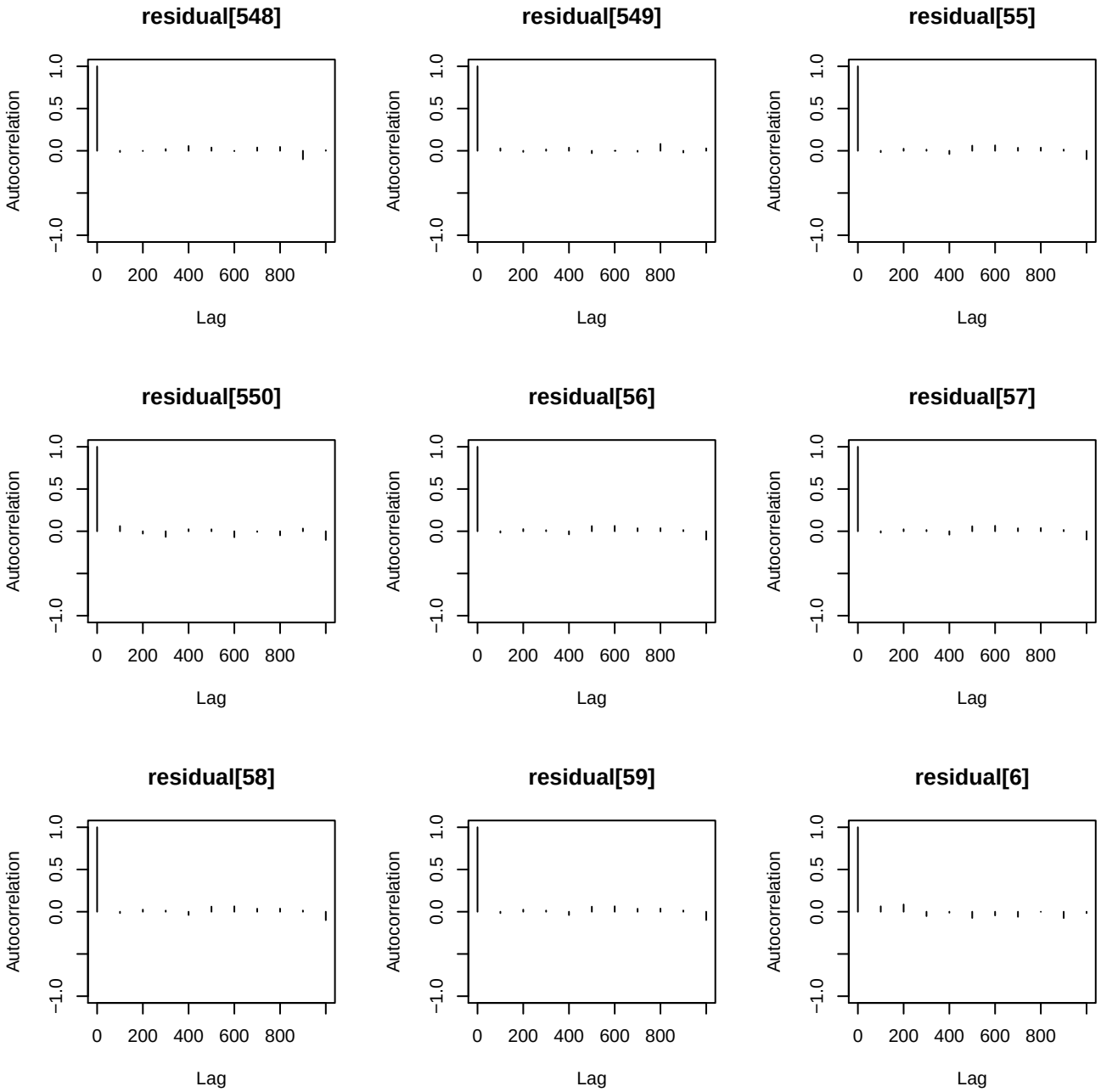

residual[507]
residual[508]
residual[509]
residual[51]
residual[510]
residual[511]
residual[512]
residual[513]
residual[514]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

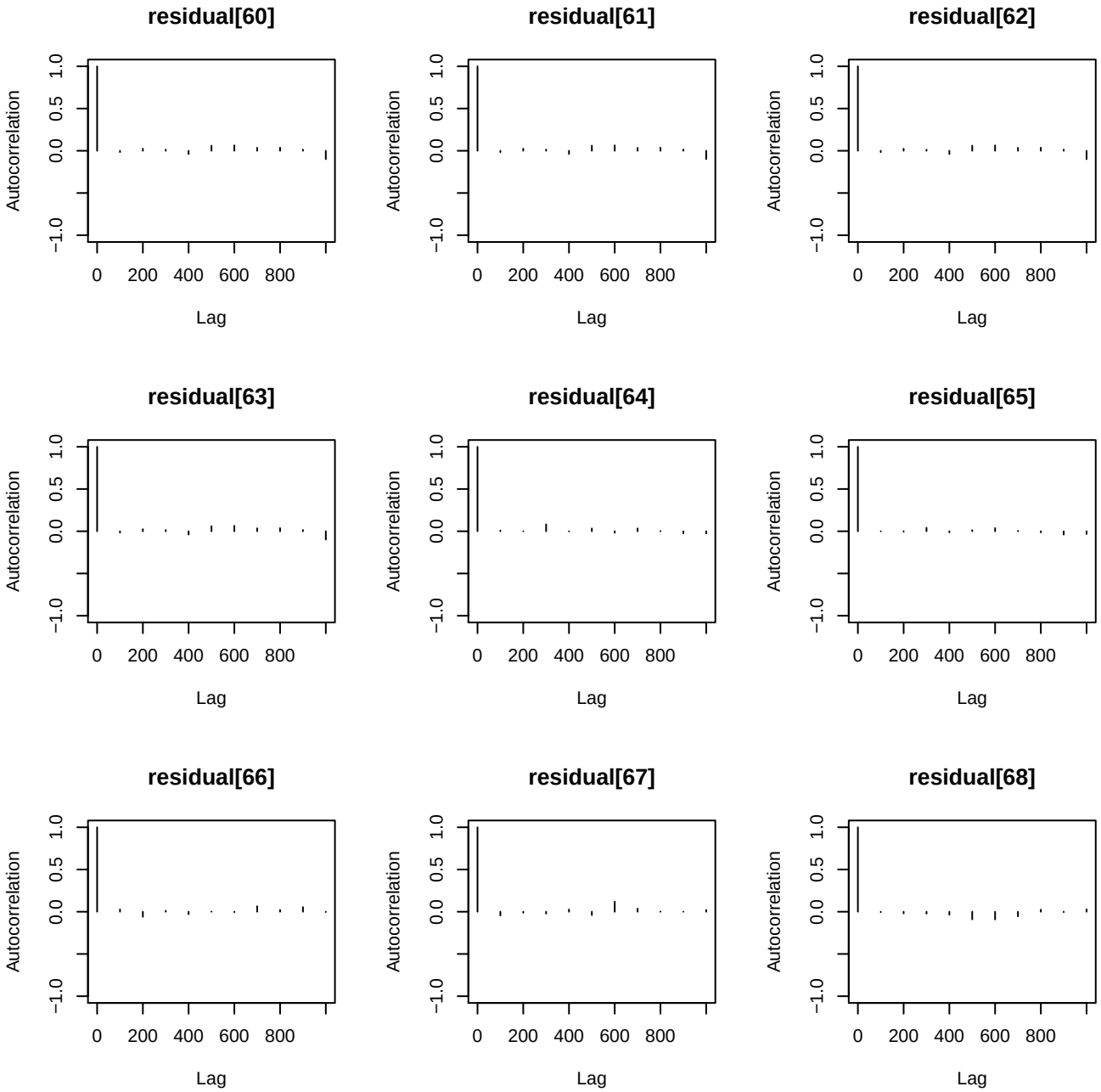

residual[515]
residual[516]
residual[517]
residual[518]
residual[519]
residual[52]
residual[520]
residual[521]
residual[522]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

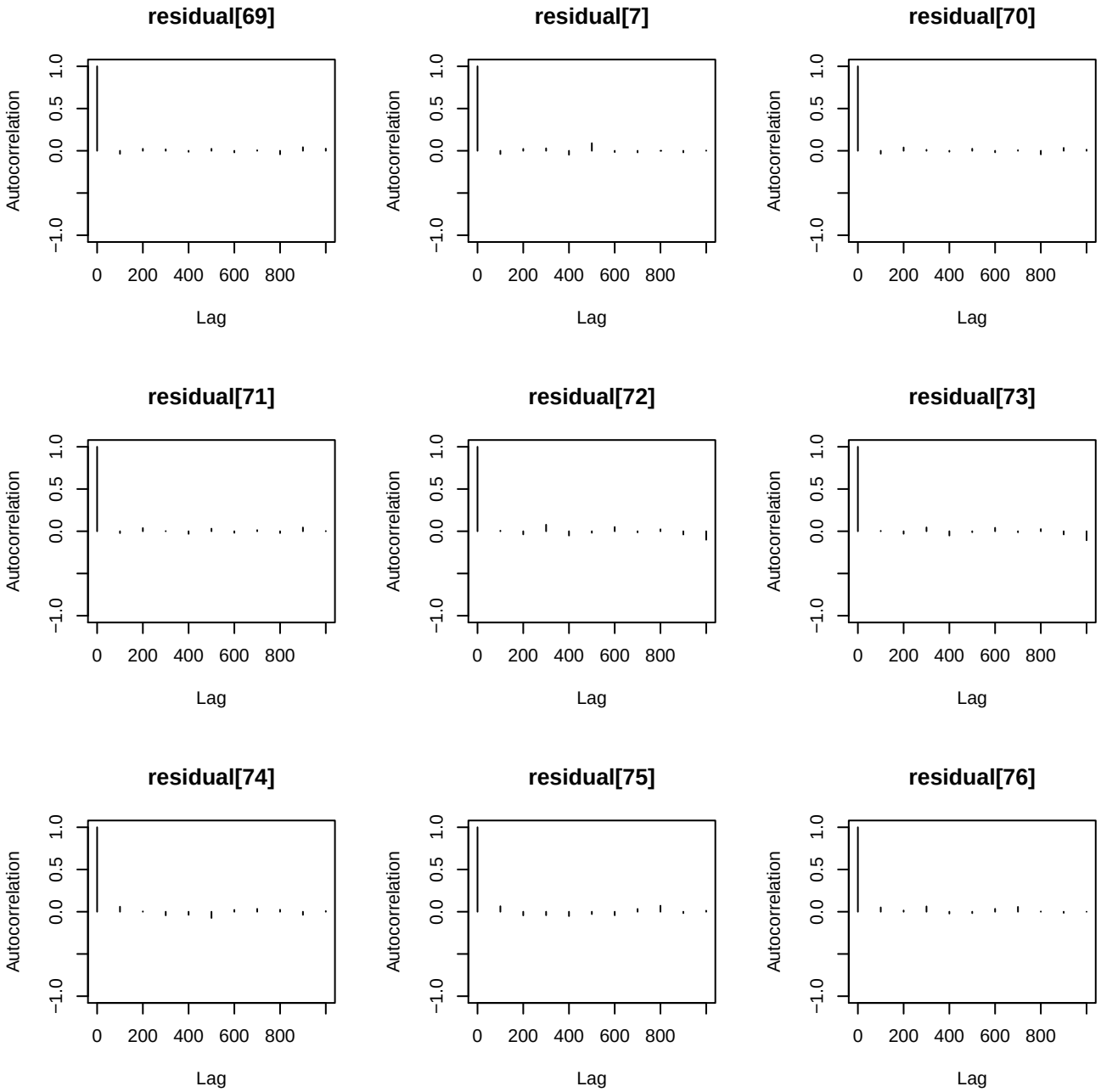

residual[523]
residual[524]
residual[525]
residual[526]
residual[527]
residual[528]
residual[529]
residual[53]
residual[530]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

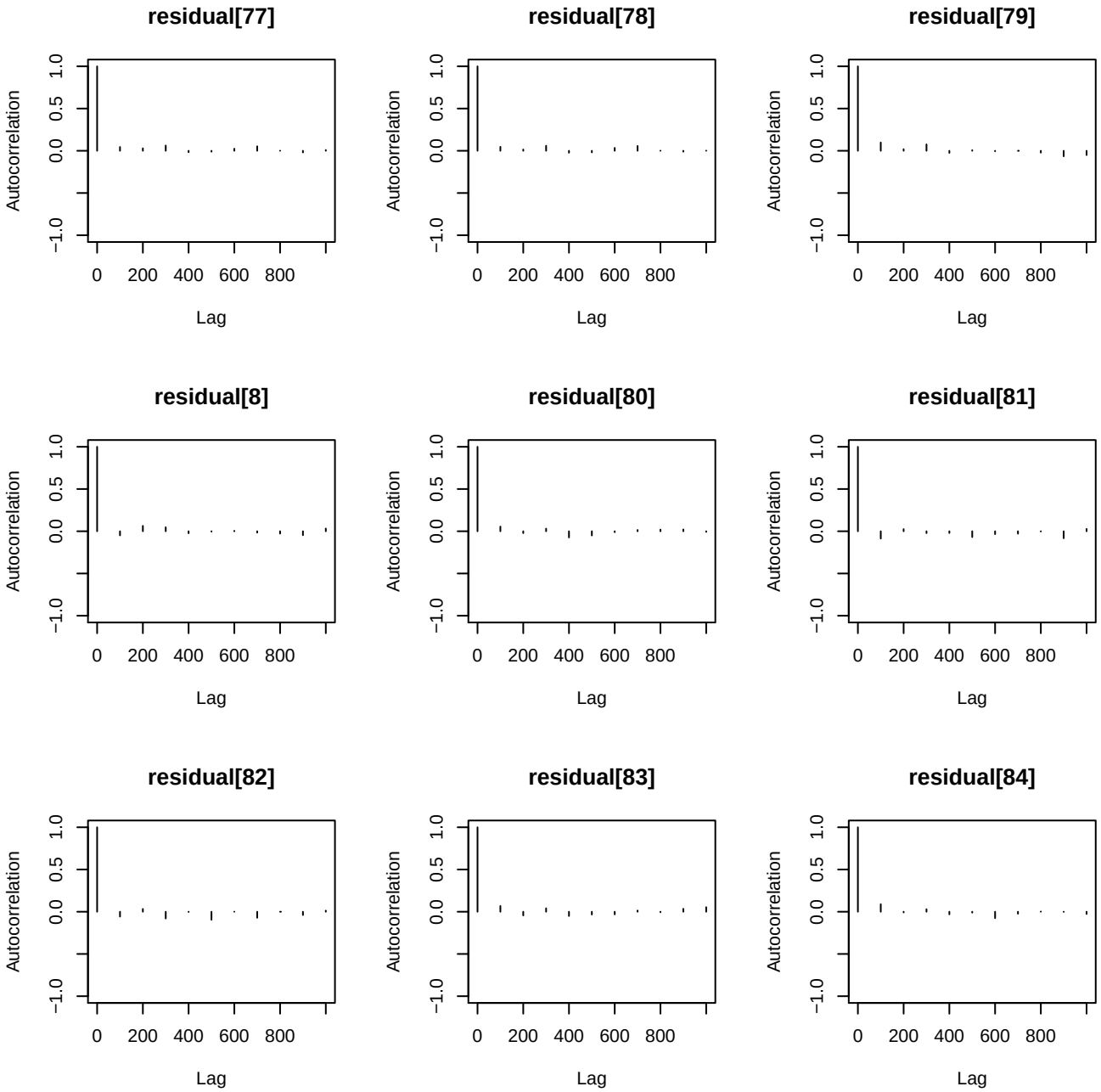

residual[531]
residual[532]
residual[533]
residual[534]
residual[535]
residual[536]
residual[537]
residual[538]
residual[539]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800

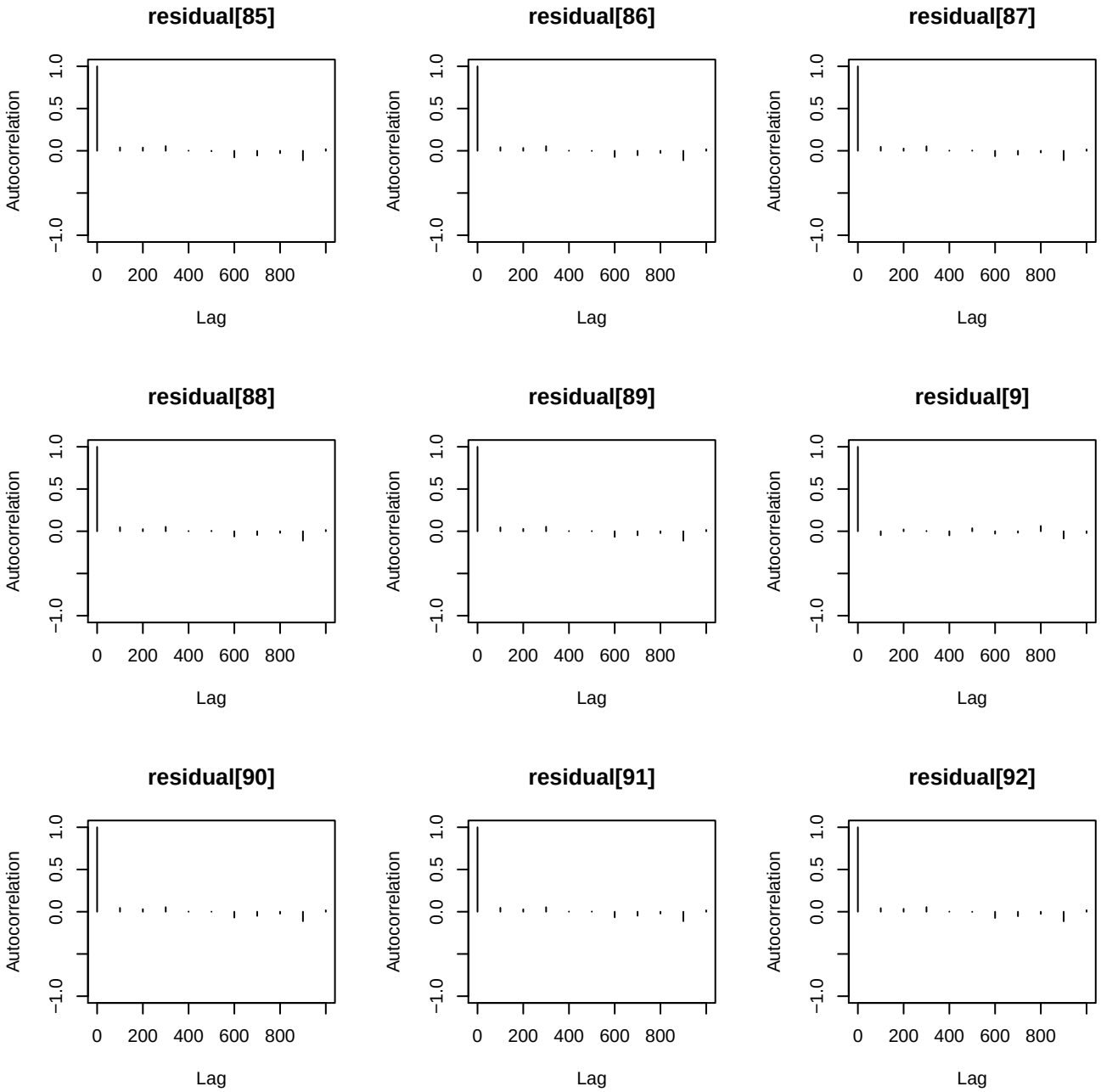

residual[54]
residual[540]
residual[541]
residual[542]
residual[543]
residual[544]
residual[545]
residual[546]
residual[547]
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800

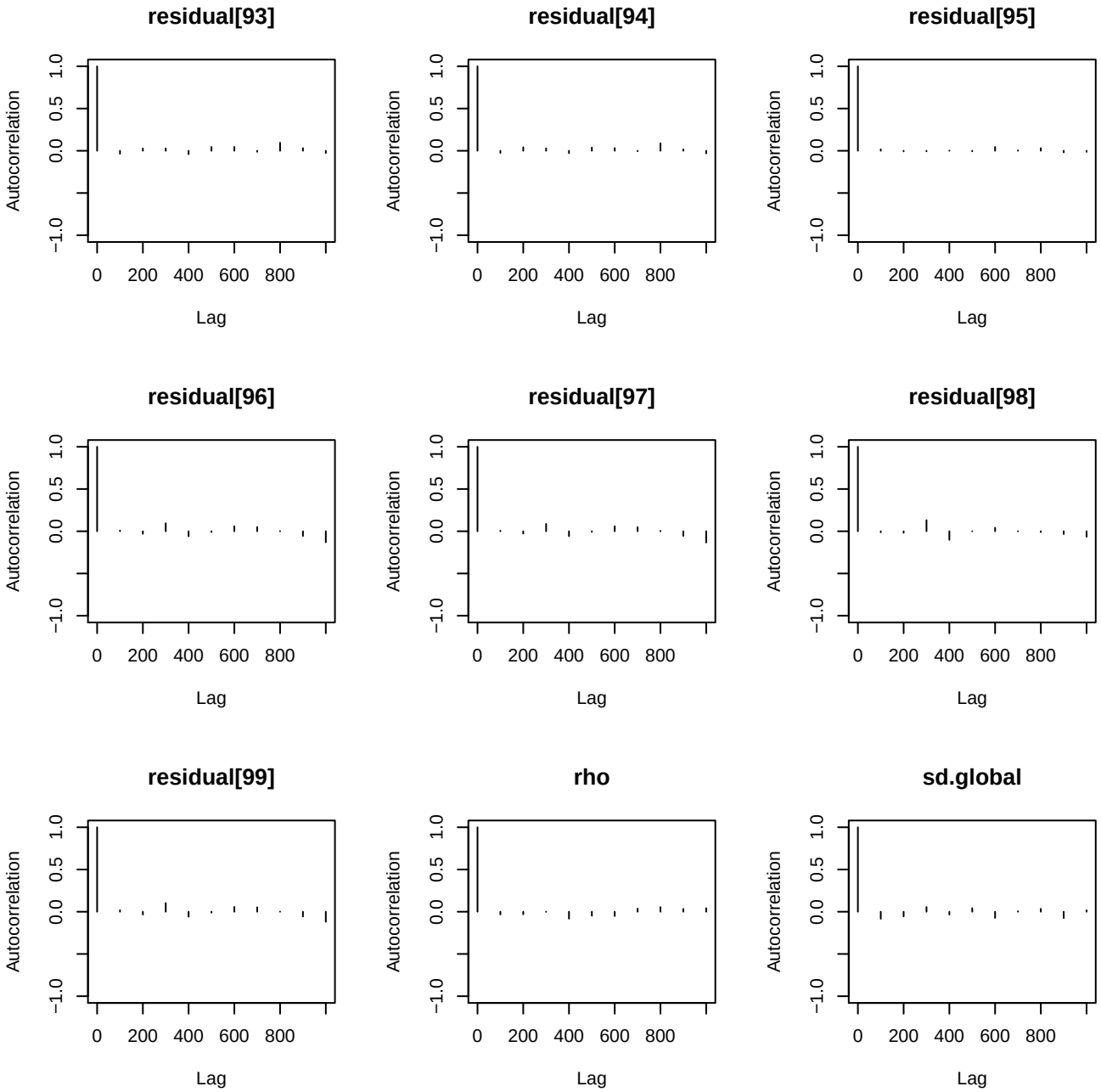

residual[548]
residual[549]
residual[55]
residual[550]
residual[56]
residual[57]
residual[58]
residual[59]
residual[6]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800


residual[60]
residual[61]
residual[62]
residual[63]
residual[64]
residual[65]
residual[66]
residual[67]
residual[68]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800


residual[69]
residual[7]
residual[70]
residual[71]
residual[72]
residual[73]
residual[74]
residual[75]
residual[76]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800


residual[77]
residual[78]
residual[79]
residual[8]
residual[80]
residual[81]
residual[82]
residual[83]
residual[84]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800


residual[85]
residual[86]
residual[87]
residual[88]
residual[89]
residual[9]
residual[90]
residual[91]
residual[92]
Autocorrelation
Lag
−1.0
0.0
0.5
1.0
0
200
400
600
800


residual[93]
residual[94]
residual[95]
residual[96]
residual[97]
residual[98]
residual[99]
rho
sd.global
Autocorrelation
Lag
1.0
0.5
0.0
−1.0
0
200
400
600
800